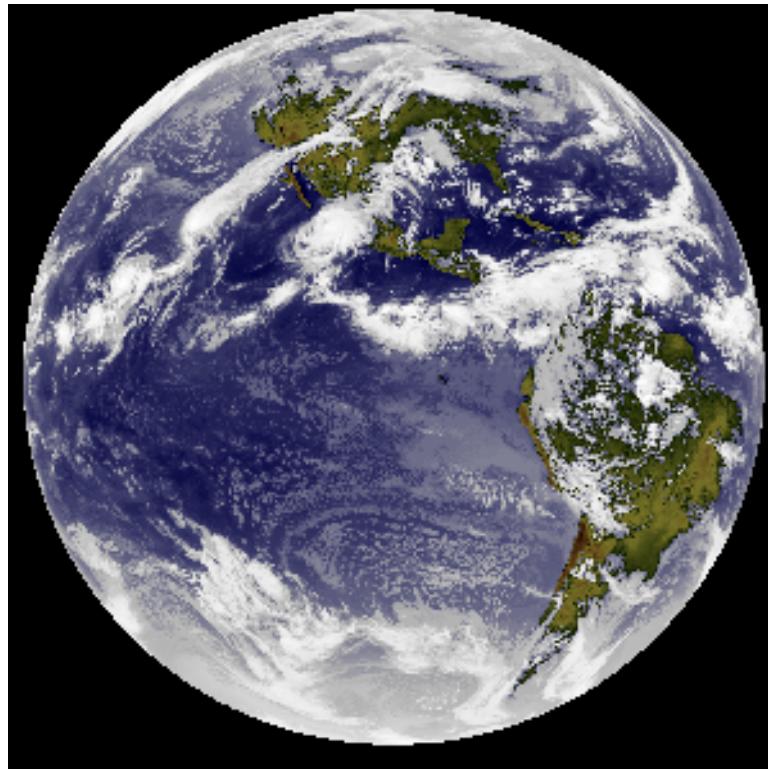


INTERNATIONAL PETROLEUM MONTHLY

February 2002



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Preface

The International Petroleum Monthly is a monthly publication that provides current international oil data. This report is published for the use of Members of Congress, Federal agencies, State agencies, industry, and the general public. Publication of this report is in keeping with responsibilities given the Energy Information Administration in Public Law 95-91 (Section 205(a)(2)) that states:

"The Administrator shall be responsible for carrying out a central, comprehensive, and unified energy data and information program which will collect, evaluate, assemble, analyze and disseminate data and information ..."

The International Petroleum Monthly presents data on international oil production, demand, imports, and stocks. The report has four sections. Section 1 contains time series data on world oil production, and on oil demand and stocks in the Organization for Economic Cooperation and Development (OECD). This section contains annual data beginning in 1990 or 1997, and monthly data for the most recent two years. Section 2 presents an oil supply/demand balance for the world. This balance is presented in quarterly intervals for the most recent two years and annually for the three years prior to that. Section 3 presents data on oil imports by OECD countries. This section contains annual data for the most recent year, quarterly data for the most recent two quarters, and monthly data for the most recent twelve months. Section 4 presents annual time series data on world oil production and oil stocks, demand, and trade in OECD countries. World oil production and OECD demand data are for the years 1970 through 2000; OECD stocks from 1973 through 2000; and OECD trade from 1990 through 2000.

Data for the United States are developed by the Energy Information Administration's (EIA) Office of Oil and Gas. Data for other countries are derived largely from published sources, including International Energy Agency publications, the EIA International Energy Annual, and the trade press. (See sources after each section.) All data are reviewed by the International Energy Statistics Team of EIA. All data have been converted to units of measurement familiar to the American public. Definitions of oil production and consumption are consistent with other EIA publications.

General information about this publication may be obtained from W. Calvin Kilgore, Director, Office of Energy Markets and End Use, (202) 586-1617, and from Louis D. DeMouy, Director, Integrated Energy Statistics Division, (202) 586-8994. Detailed questions and comments concerning the contents of the International Petroleum Monthly may be directed to Patricia A. Smith (202) 586-6925, or Joel Lou (202) 586-1457; Energy Market Chronology - Lowell Feld (202) 586-9502.

Note: Data for the Czech Republic, Hungary, Mexico, Poland, and South Korea have been added to the Organization for Economic Cooperation and Development (OECD) in Figures 3 and 4 and in Tables 1.5 - 1.7, 2.1 - 2.4, 3.1 - 3.6, 3.9, 4.5 - 4.9, 4.12, and 4.16 - 4.18.

Energy Market Chronology - January 2002

The following chronology lists international events that hold significance for world energy markets. Sources include: Associated Press (AP), Dow Jones Business News (DJ), The Los Angeles Times (LAT), The New York Times (NYT), The Oil Daily (OD), Reuters, The Washington Post (WP), The Wall Street Journal (WSJ), and World Markets Online (WMO).

- January 1** The OPEC crude oil production quota cuts of 1.5 million barrels per day, announced on December 28, officially go into effect for six months. Crude oil production or export cuts of 462,500 barrels per day by five non-OPEC oil exporters also go into effect. (Reuters)
- January 2** At a rally celebrating new hydrocarbons laws that were announced on November 13, 2001, and went into effect yesterday, Venezuelan President Chavez announces the need for “a new oil strategy.” The new hydrocarbons laws give the state more control over the petroleum industry and impose higher royalty rates on companies operating Venezuela’s oil fields. (AP)
- The U.S. Minerals Management Service approves the use of floating production, storage, and offloading (FPSO) vessels in the Gulf of Mexico on a case-by-case basis. This will potentially make it easier to produce oil and natural gas from deepwater fields that are not near any existing infrastructure. (OD)
- January 3** Royal Dutch/Shell’s Shell Gas & Power agrees to purchase all the available expansion capacity at El Paso’s newly reopened liquefied natural gas (LNG) terminal at Elba Island, Georgia. Under the terms of the 30-year deal, Shell will receive 3.3 billion cubic feet of LNG storage and 360 million cubic feet per day of regasified LNG send-out capacity. This is equivalent to 2.5 million metric tons of LNG per year. (OD)
- January 5** Saudi Arabian Oil Minister Ali Al-Naimi announces that OPEC’s price band mechanism is suspended due to imbalances in the world oil market. He states that OPEC’s top priority is to stabilize the market. (Reuters)
- January 8** Royal Dutch/Shell has reportedly reached an agreement with the Chinese government to help construct a 2,500-mile natural gas pipeline from the Tarim oil and natural gas region in remote western China to Shanghai on the coast. The agreement represents evidence of foreign confidence in the project and lays out the framework for the joint-venture company composed of PetroChina, Gazprom of Russia, and Shell. The pipeline is expected to cost about \$18 billion. (WSJ)
- Royal Dutch/Shell and its joint-venture partners Nigeria National Petroleum Company, TotalFinaElf, and Eni’s Agip announce a five-year investment of \$7.5 billion in the oil and natural gas industry in Nigeria. A large part of the investment will go to the Nigeria Liquefied Natural Gas project, the biggest industrial project in sub-Saharan Africa. (Reuters)
- January 9** U.S. Secretary of Energy Spencer Abraham announces that the Partnership for a New Generation of Vehicles program, started in 1993 in an effort to develop mass-produced vehicles that would get 80 miles per gallon of gasoline by 2004, will be replaced by a new program called Freedom Car. The Freedom Car program will emphasize developing fuel-cell vehicles, powered by oxygen and hydrogen, by an unspecified later date. (WP, NYT)
- Mexican President Vicente Fox calls for reform of the country’s electricity sector in order to encourage more private investment in the sector at a ceremony inaugurating six power plants in the state of Sonora that will add 1,519 megawatts to the national grid. Reform of the electricity sector is more likely now that several tax reforms and the 2002 budget have been passed. (WMO)
- The U.S. Department of Justice confirms that a criminal probe of Enron has been launched. A task force has been formed to investigate whether the former giant energy company defrauded investors by deliberately withholding or falsifying crucial financial information. The U.S. Securities and Exchange Commission has been investigating Enron since October 2001. A number of civil suits have already been filed against Enron, which declared bankruptcy in December 2001. (WSJ, WP, NYT)

- January 9** Argentine President Duhalde proposes that oil companies operating in Argentina contribute \$1.2 billion to a stabilization fund, instead of paying a 20 percent tax on oil exports. Oil companies operating in Argentina are already expected to lose millions of dollars because of the default on Argentine government debt and the devaluation of the Argentine peso. The most heavily exposed company is Repsol-YPF, which could lose over \$2 billion. (WMO)
- January 10** Kuwait creates a new company, Kuwait Gulf Oil Company, to handle the country's interests in the Neutral Zone, a border area shared with Saudi Arabia. The new company will take over when Japan's Arabian Oil Company's 40-year concession in the Neutral Zone expires in January 2003. Oil production from the Neutral Zone (by Saudi Arabia and Kuwait combined) was about 640,000 barrels per day in 2001. (Reuters)
- The U.S. Department of Energy recommends construction of the Yucca Mountain nuclear waste storage facility in Nevada. The project is expected to cost \$40 to \$50 billion and be able to store 77,000 tons of radioactive waste. The final decision still requires President Bush's approval and, if vetoed by the governor of Nevada, Congressional approval. (WP, NYT)
- January 14** According to preliminary data reported today by the U.S. Energy Information Administration, Mexico was the leading source for U.S. crude oil imports in November 2001 for the second consecutive month, having displaced Saudi Arabia from the top spot in October. Saudi Arabia had been the leading supplier since February 2000. (OD)
- January 15** The Nigerian government asks oil producing companies in the country to cut output by 6 percent in order to achieve better compliance with its OPEC production quota cut commitment. (DJ)
- The U.S. Department of the Interior announces that royalty fees for deepwater fields in the Gulf of Mexico will be reduced as of February 14 for any firm able to demonstrate that it would be a financial burden to drill in the deep waters, and also that a reduction in royalty payments would be needed to make oil projects economically feasible. (Reuters)
- January 16** The American Petroleum Institute (API) releases data showing that oil demand dropped in the United States in 2001, the first annual decline in 10 years. According to the API's report, petroleum deliveries declined by 0.6 percent, to 19.587 million barrels per day in 2001 from 19.701 million barrels per day in 2000. The report also shows that in 2001, U.S. crude oil output rose for the first time in a decade to 5.85 million barrels per day, a 0.5 percent increase over 2000. (OD, WMO)
- New oil reserves are found at the Buzzard field in the British North Sea, representing the largest find in the North Sea in over a decade. The field is expected to yield 400 million barrels, far in excess of initial estimates of 100-200 million barrels. (DJ)
- Labor unions begin a general strike in Nigeria as rioters roam the streets of the country's major cities. The government had declared on January 15 that a strike by the 29-union Nigeria Labor Congress was illegal. The strike is in protest of the government's decision on January 2 to raise gasoline and diesel prices. The strike is called off on January 17 after a Nigerian court rules that the strike action is illegal. (NYT, OD)

- January 17** Crude oil prices on the New York Mercantile Exchange close below \$18 per barrel for the first time since mid-November at \$17.97 per barrel for February delivery. Prices have been in the \$18-to-\$22-per-barrel range for several months. This latest decrease reflects a generally bearish attitude by traders in the face of weak world oil demand. (WSJ)
- Mexico's state oil company PEMEX declares *force majeure* on 100,000 barrels per day of oil exports in order to comply with the January 1 export cut Mexico agreed to with OPEC in December in order to shore up oil prices. (Reuters)
- January 21** Gaz de France signs a 20-year deal with BG Group, Edison International, the Egyptian General Petroleum Corporation, and the Egyptian Natural Gas Holding Company to import 3.6 million metric tons of liquefied natural gas (LNG) per year for 20 years starting in 2005. This is Egypt's second major LNG export deal. As part of the deal, a \$900 million liquefaction plant will be constructed at Idku, near Alexandria. (Reuters)
- January 22** The U.S. Department of Energy opens the bidding process for oil companies to deliver 22 million barrels of crude oil to the Strategic Petroleum Reserve instead of making cash royalty payments. The royalty-in-kind oil is the first phase of the Bush administration's plan, announced last November, to fill the Strategic Petroleum Reserve to its capacity of 700 million barrels. (Reuters)
- Germany's federal competition office blocks E.On, Germany's second largest electricity company, from taking control of Ruhrgas, Germany's dominant natural gas transmission company, that controls about 60 percent of natural gas sales. However, the companies still hope to persuade Chancellor Schröder and Economics Minister Müller to override the decision. The proposed deal is important on a European level because if the takeover does go through, it will be seen as a blow to the efforts of European anti-trust regulators and the European Commission to liberalize energy markets. (NYT)
- The Energy Ministers of Iran and Turkey inaugurate the official opening of a new Iran-Turkey natural gas pipeline. Turkey will import 106 billion cubic feet of natural gas in the first year, with imports rising to 353 billion cubic feet per year in 2007 under a 22-year contract. Iran hopes that natural gas exports to Turkey may eventually be able to transit onward to lucrative European markets. (WMO)
- January 23** An U.S. official states that the United States and Libya have held "positive" negotiations that could lead to the lifting of United Nations sanctions against Libya. The official stated that "If the Libyans comply with the U.N. Security Council resolutions, then the U.N. Security Council will look at lifting the U.N. sanctions on Libya." In August, President Bush signed a five-year extension of the Iran Libya Sanctions Act (ILSA). ILSA sanctions foreign companies that provide new investments of over \$40 million for the development of petroleum resources in Iran or Libya, or that violate existing United Nations prohibitions against trade with Libya. (Reuters)
- January 27** PanCanadian Energy agrees to purchase Alberta Energy for over \$6 billion in stock. The combined company, to be named EnCana, will be Canada's largest natural gas producer. According to the companies, EnCana would produce 2.7 billion cubic feet per day of natural gas and 255,000 barrels per day of oil and natural gas liquids in 2002. (WSJ)
- January 28** Tanker-tracking consultancy Petrologistics announces that OPEC countries, excluding Iraq, cut crude oil production in January by 1.34 million barrels per day. The January estimate puts OPEC production 659,000 b/d over its new production quota of 21.701 million barrels per day, which OPEC confirmed at its December 28 meeting. In contrast, a Dow Jones survey of analysts on January 29 puts OPEC's combined cuts, excluding Iraq, at 884,000 barrels per day. (DJ)

The state-run Japan National Oil Corporation (JNOC) establishes an 11-member panel led by the company's president in order to take "full-scale" preparations for dissolving itself. Last month, the cabinet approved the dissolution of the heavily indebted company as part of government structural reforms. (DJ)

At a meeting of the United Nations Security Council's committee on Iraq trade sanctions, Britain requests a formal "clarification" from Security Council member Syria on allegations that Iraqi crude oil is flowing through a pipeline to Syria and being exported, or at least substituted in Syrian refineries allowing for more Syrian crude oil exports, in violation of United Nations sanctions. Analysts have placed the amount of crude oil being sent from Iraq to Syria at between 150,000 and 200,000 barrels per day. (LAT)

British officials announce that the policy of setting Iraqi oil prices retroactively, enforced by the United States and Britain, has kept \$25 million from Saddam Hussein's government. The U.S./British policy of blocking or holding Iraqi price proposals has meant the United Nations sanctions committee has had to price retroactively, lowering prices for Iraq and leaving less room for oil middlemen to pay illegal surcharges to Iraq. (Reuters)

January 29 Brazil reportedly plans to invest \$6.9 billion in 2002 to expand and modernize its power plants in order to ease the possibility of electricity shortages of the type that occurred throughout the country in 2001. The investment will be made through 63 government-controlled power companies. (OD)

U.S. President George Bush delivers his State of the Union address. In his speech he identifies Iraq, Iran, and North Korea as part of an "axis of evil" that supports terrorism. President Bush also states, "The United States of America will not permit the world's most dangerous regimes to threaten us with the world's most destructive weapons." (NYT)

January 30 Data released by the U.S. Energy Information Administration today shows that U.S. refinery capacity utilization has decreased by 5.4 percentage points in the past two weeks, dropping to just 86.8 percent in the week ended January 25. This is a result of poor petroleum product demand, low refinery profit margins, and more than adequate product supply. (Reuters)

The state oil companies of Kuwait and Qatar and ExxonMobil Middle East Gas Marketing sign an agreement for natural gas to be transported by pipeline from Qatar to Kuwait for use in power plants. First shipments are expected to arrive in 2005, and total value of the deal is expected to be about \$2 billion. Details of the deal are expected to be finalized by mid-2002. (OD, Reuters)

Petro-Canada states that it has agreed to buy the international oil and natural gas operations of Veba Oil & Gas from Veba Oel AG and its parent company BP, for about \$2.0 billion. Petro-Canada will acquire production and exploration interests mainly in the North Sea, North Africa, and northern Latin America, expanding the company beyond its current interests, which are almost exclusively in Canada and the United States. The deal is expected to close between May and September 2002. The combined firm would have production of 400,000 barrels per day of oil equivalent. (DJ)

January 31 Russian Prime Minister Mikhail Kasyanov signs a resolution that reduces the export duty on fuel oil in order to ease a glut on Russia's domestic market following Russia's December decision to cooperate with OPEC by trimming exports. (Reuters)

In response to President Bush's State of the Union address two days earlier, former Iranian President Rafsanjani calls on Muslim oil-exporting countries to boycott the United States. Iran currently does not export oil to the United States because of sanctions. (WMO)

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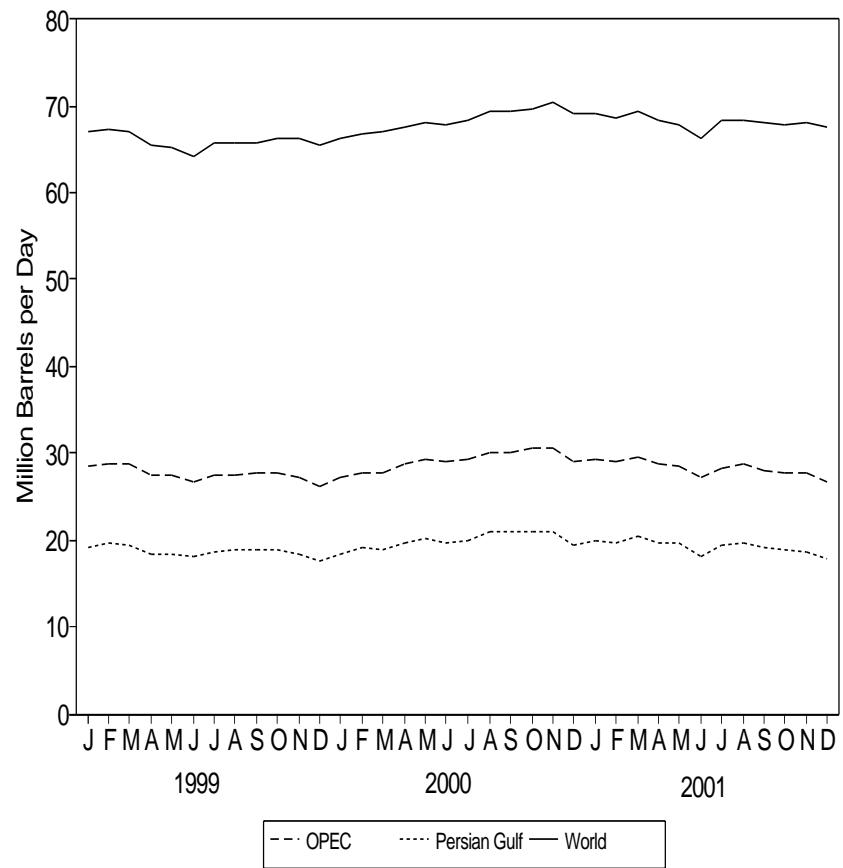
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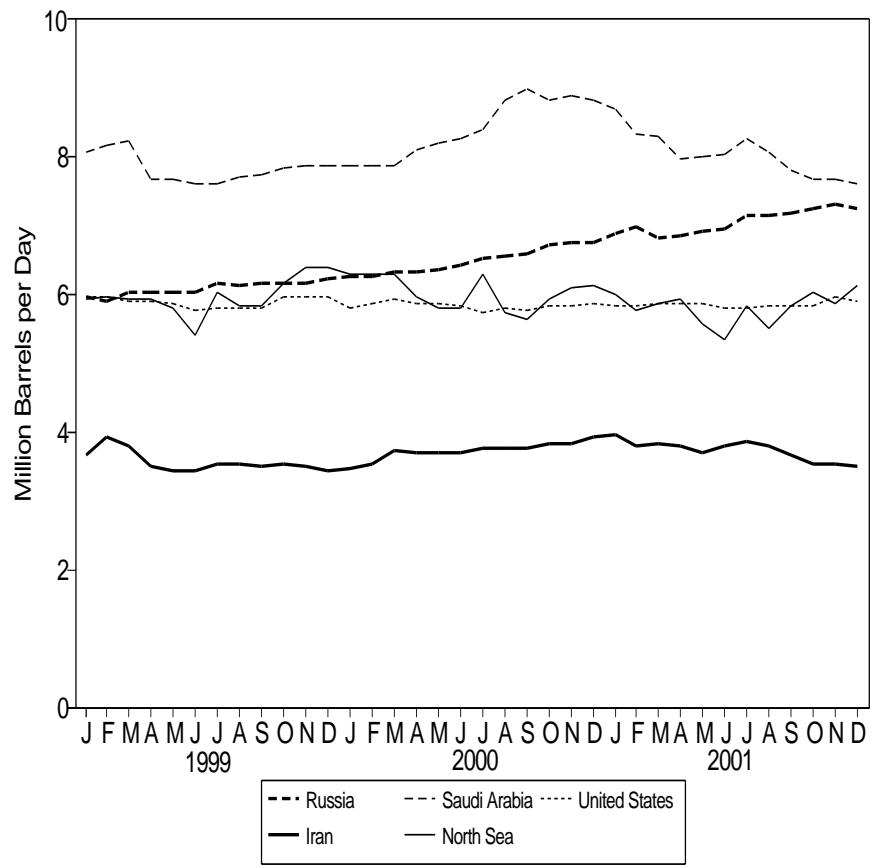
1. Annual and Monthly Oil Data

Figure 1. World Crude Oil Production, Monthly



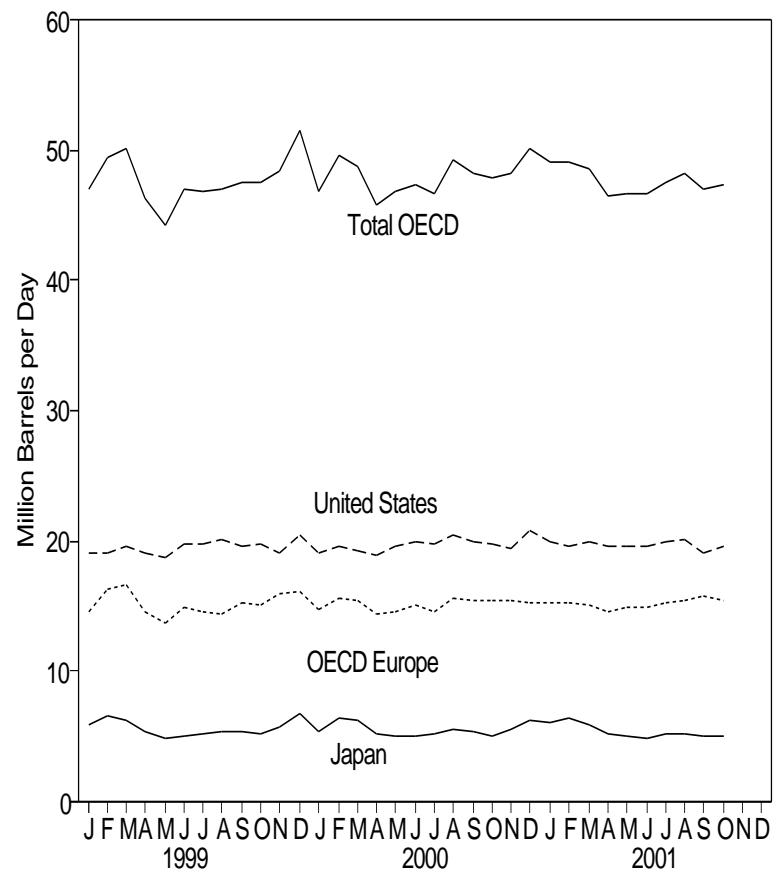
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Figure 2. Leading Crude Oil Producers, Monthly



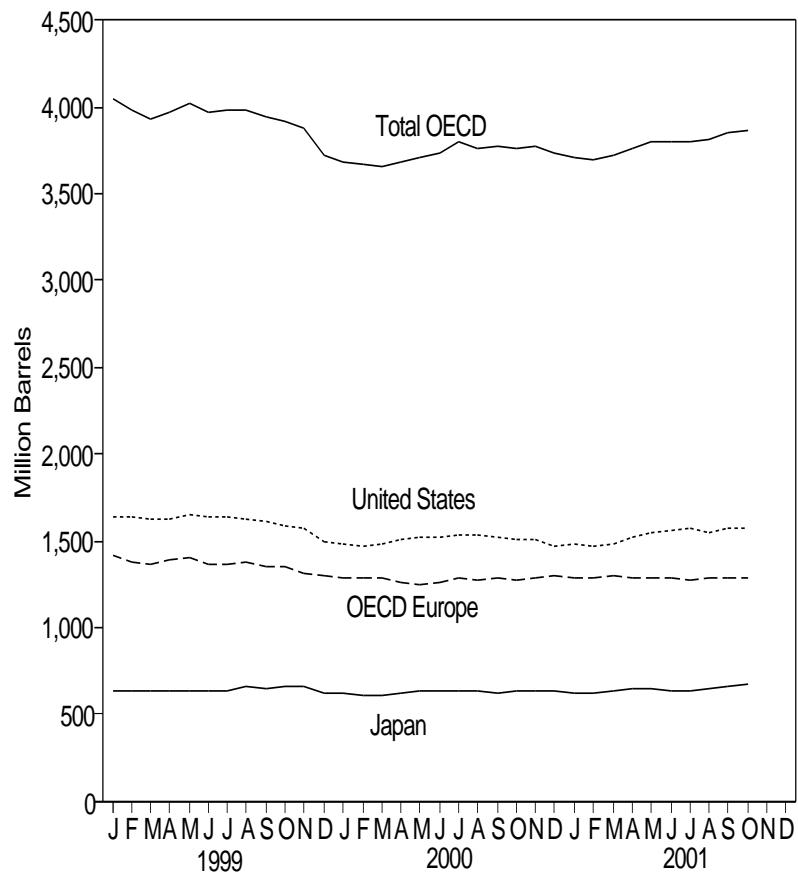
Source: Tables 1.1a-1.1c

Figure 3. OECD Oil Consumption, Monthly



Source: Table 1.7

Figure 4. OECD Oil Stocks, Monthly



Source: Table 1.5

Table 1.1a World Crude Oil Production (Including Lease Condensate), 1990-Present
 (Thousand Barrels per Day)

	Algeria	Indo-nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene-zuela	Total OPEC
1990 Average.....	1,175	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,195
1991 Average.....	1,230	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,275
1992 Average.....	1,214	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	24,398
1993 Average.....	1,162	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	25,119
1994 Average.....	1,180	1,510	3,618	553	2,025	1,378	1,931	415	8,120	2,193	2,588	25,510
1995 Average.....	1,202	1,503	3,643	560	2,057	1,390	1,993	442	8,231	2,233	2,750	26,004
1996 Average.....	1,242	1,547	3,686	579	2,062	1,401	2,001	510	8,218	2,278	2,938	26,461
1997 Average.....	1,277	1,520	3,664	1,155	2,007	1,446	2,132	550	8,362	2,316	3,280	27,710
1998 Average.....	1,246	1,518	3,634	2,150	2,085	1,390	2,153	696	8,389	2,345	3,167	28,774
1999 Average.....	1,202	1,472	3,557	2,508	1,898	1,319	2,130	665	7,833	2,169	2,826	27,579
2000 January.....	1,190	1,460	3,465	2,215	1,962	1,330	2,010	695	7,863	2,245	2,790	27,225
February.....	1,190	1,430	3,525	2,595	2,015	1,380	2,060	705	7,865	2,250	2,850	27,865
March.....	1,190	1,430	3,735	2,215	2,040	1,390	2,080	705	7,865	2,300	2,850	27,800
April.....	1,230	1,460	3,675	2,655	2,100	1,400	2,140	715	8,100	2,380	2,900	28,755
May.....	1,240	1,490	3,685	3,055	2,100	1,400	2,110	735	8,200	2,380	2,930	29,325
June.....	1,250	1,490	3,705	2,565	2,150	1,420	2,140	735	8,250	2,280	2,950	28,935
July.....	1,250	1,490	3,750	2,525	2,170	1,425	2,180	755	8,390	2,320	2,970	29,225
August.....	1,260	1,490	3,750	2,995	2,173	1,420	2,160	755	8,823	2,380	2,980	30,185
September.....	1,250	1,490	3,755	2,875	2,170	1,430	2,110	755	8,975	2,390	2,980	30,180
October.....	1,270	1,460	3,835	3,005	2,210	1,440	2,210	760	8,800	2,410	3,050	30,450
November.....	1,265	1,450	3,830	2,815	2,215	1,440	2,260	765	8,900	2,415	3,050	30,405
December.....	1,280	1,455	3,905	1,355	2,210	1,445	2,265	765	8,800	2,420	3,080	28,980
2000 Average.....	1,239	1,466	3,719	2,571	2,126	1,410	2,144	737	8,404	2,348	2,949	29,113
2001 January.....	1,280	1,435	3,935	1,735	2,200	1,450	2,285	775	8,700	2,440	3,100	29,335
February.....	1,250	1,440	3,785	2,195	2,130	1,400	2,255	735	8,320	2,380	3,030	28,920
March.....	1,250	1,395	3,835	2,855	2,100	1,390	2,285	735	8,300	2,420	3,000	29,565
April.....	1,235	1,352	3,785	2,930	2,010	1,380	2,210	715	7,950	2,330	2,920	28,817
May.....	1,250	1,362	3,685	2,905	1,993	1,360	2,140	725	8,000	2,277	2,890	28,587
June.....	1,270	1,382	3,785	1,105	2,030	1,370	2,205	735	8,050	2,260	2,900	27,092
July.....	1,280	1,370	3,875	2,145	2,020	1,380	2,140	735	8,250	2,240	2,890	28,325
August.....	1,280	1,360	3,785	2,875	2,035	1,380	2,207	725	8,070	2,227	2,880	28,824
September.....	1,250	1,350	3,655	2,673	1,970	1,350	2,360	685	7,800	2,150	2,720	27,963
October.....	1,230	1,340	3,535	2,911	1,950	1,320	2,350	685	7,670	2,120	2,750	27,861
November.....	1,240	1,340	3,535	2,805	1,940	1,310	2,350	665	7,670	2,120	2,740	27,715
December.....	1,240	1,310	3,491	2,025	1,940	1,310	2,290	655	7,600	2,120	2,750	26,731
2001 Average.....	1,255	1,369	3,724	2,432	2,026	1,367	2,256	714	8,031	2,256	2,880	28,311

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from January 1990 through July 1990 and beginning again in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In December 2001, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 640 thousand barrels per day. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

Notes: •OPEC=Organization of Petroleum Exporting Countries. •Monthly data are often preliminary and also may not average to the annual totals due to rounding.

Sources: See end of Section 1.

Table 1.1b World Crude Oil Production (Including Lease Condensate), 1990-Present
 (Thousand Barrels per Day)

	Norway	United Kingdom	North Seal/ 1/	Angola	Argen-tina	Austra- lia	Brazil	Canada	China	Colombia	Ecuador
1990 Average.....	1,704	1,820	3,667	475	483	575	631	1,553	2,774	440	285
1991 Average.....	1,890	1,797	3,811	500	485	545	630	1,548	2,835	419	299
1992 Average.....	2,229	1,825	4,182	526	553	535	626	1,605	2,845	433	321
1993 Average.....	2,350	1,915	4,403	509	594	503	643	1,679	2,890	456	344
1994 Average.....	2,521	2,375	5,058	536	650	536	671	1,746	2,939	450	365
1995 Average.....	2,768	2,489	5,400	646	715	562	695	1,805	2,990	585	392
1996 Average.....	3,104	2,568	5,822	709	756	570	795	1,837	3,131	623	396
1997 Average.....	3,143	2,518	5,830	714	834	588	841	1,922	3,200	652	388
1998 Average.....	3,017	2,616	5,806	735	847	544	969	1,981	3,198	733	375
1999 Average.....	3,018	2,684	5,958	766	802	539	1,132	1,907	3,195	816	373
2000 January.....	3,233	2,721	6,283	760	785	717	1,090	1,979	3,250	755	390
February.....	3,348	2,644	6,299	760	760	781	1,090	1,991	3,280	705	390
March.....	3,248	2,678	6,274	760	760	730	1,100	1,892	3,280	725	390
April.....	3,052	2,549	5,954	750	755	717	1,110	1,894	3,300	725	375
May.....	3,149	2,311	5,792	760	755	718	1,120	1,990	3,250	690	370
June.....	2,984	2,446	5,785	750	750	737	1,185	2,020	3,295	705	373
July.....	3,398	2,535	6,273	750	760	742	1,206	1,986	3,280	718	401
August.....	3,025	2,370	5,733	760	770	723	1,225	1,955	3,205	640	410
September.....	3,012	2,315	5,638	740	763	651	1,305	2,007	3,220	642	425
October.....	3,247	2,334	5,930	723	759	681	1,320	1,961	3,210	595	420
November.....	3,327	2,389	6,086	723	757	731	1,365	2,029	3,206	695	415
December.....	3,336	2,413	6,113	721	759	733	1,420	2,021	3,212	693	380
2000 Average.....	3,197	2,475	6,013	746	761	722	1,212	1,977	3,249	691	395
2001 January.....	3,325	2,338	5,999	746	767	682	1,322	2,032	3,220	674	420
February.....	3,153	2,279	5,754	749	768	662	1,345	2,052	3,330	613	408
March.....	3,215	2,323	5,858	731	764	673	1,264	2,070	3,376	560	425
April.....	3,279	2,318	5,909	739	775	635	1,273	2,046	3,302	567	425
May.....	3,011	2,262	5,566	733	784	604	1,205	2,027	3,310	565	420
June.....	3,013	2,128	5,333	728	778	644	1,298	1,971	3,312	563	424
July.....	3,349	2,234	5,831	713	776	649	1,345	1,953	3,262	598	406
August.....	2,959	2,211	5,481	701	783	635	1,325	1,954	3,303	668	408
September.....	3,235	2,230	5,827	710	802	612	1,345	2,009	3,288	670	404
October.....	3,343	2,361	6,047	719	774	613	1,214	2,046	3,313	566	401
November.....	R3,208	R2,280	R5,859	725	780	R584	1,379	R2,082	3,316	550	402
December.....	3,323	2,405	6,111	783	780	656	1,355	2,117	3,272	634	403
2001 Average.....	3,202	2,281	5,799	731	778	637	1,305	2,030	3,300	602	412

1/ North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.

R=Revised data.

Notes: •Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.1c World Crude Oil Production (Including Lease Condensate), 1990-Present
(Thousand Barrels per Day)

	Egypt	Gabon	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other ¹ / World
1990 Average.....	873	270	660	619	2,553	685	--	10,975	388	7,355	2,253 60,566
1991 Average.....	874	294	615	646	2,680	700	--	9,992	492	7,417	2,274 60,207
1992 Average.....	881	298	561	653	2,669	740	7,632	--	481	7,171	3,229 60,213
1993 Average.....	890	313	534	640	2,673	776	6,730	--	554	6,847	3,279 60,236
1994 Average.....	896	329	590	645	2,685	810	6,135	--	560	6,662	3,380 60,991
1995 Average.....	920	365	703	682	2,618	851	5,995	--	575	6,560	3,414 62,335
1996 Average.....	922	368	651	695	2,855	883	5,850	--	582	6,465	3,490 63,711
1997 Average.....	856	370	675	700	3,023	904	5,920	--	561	6,452	3,719 65,690
1998 Average.....	834	352	661	720	3,070	900	5,854	--	553	6,252	3,936 66,921
1999 Average.....	852	340	653	693	2,906	887	6,079	--	538	5,881	4,231 65,870
2000 January.....	740	350	635	680	3,032	890	6,239	--	530	5,784	4,377 66,163
February....	735	350	621	680	2,897	915	6,248	--	530	5,852	4,342 66,784
March.....	730	350	620	660	2,998	920	6,321	--	530	5,918	4,405 66,816
April.....	735	350	630	660	3,041	900	6,308	--	520	5,854	4,486 67,467
May.....	725	350	645	660	3,040	910	6,352	--	520	5,847	4,464 67,950
June.....	720	340	655	670	3,056	880	6,421	--	520	5,823	4,483 67,748
July.....	706	320	655	670	2,876	900	6,494	--	510	5,739	4,506 68,378
August.....	695	320	655	720	3,162	970	6,546	--	500	5,789	4,539 69,164
September...	690	320	655	720	3,173	980	6,590	--	500	5,758	4,543 69,189
October....	685	310	655	720	2,861	995	6,711	--	540	5,809	4,640 69,626
November....	680	300	662	720	2,965	1,025	6,737	--	540	5,833	4,670 70,174
December....	677	300	667	720	3,043	1,000	6,771	--	534	5,855	4,674 68,910
2000 Average....	710	330	646	690	3,012	940	6,479	--	523	5,822	4,511 68,200
2001 January....	669	300	667	650	3,087	965	6,875	--	532	E5,836	4,630 69,072
February....	659	296	638	650	3,136	965	6,966	--	530	E5,840	4,675 68,634
March.....	655	298	640	650	3,151	980	6,808	--	528	E5,878	4,697 69,251
April.....	652	300	625	650	3,008	956	6,855	--	522	E5,854	4,738 68,336
May.....	596	303	611	650	3,031	983	6,917	--	520	E5,859	4,701 67,678
June.....	627	300	606	670	3,140	972	6,956	--	518	E5,799	4,584 66,122
July.....	630	303	620	665	3,185	973	7,124	--	516	E5,806	4,691 68,123
August.....	634	301	654	665	3,175	957	7,125	--	514	E5,823	4,731 68,350
September...	638	304	662	665	3,177	936	7,189	--	512	E5,829	R4,811 R67,991
October....	633	302	662	665	2,993	945	7,233	--	509	E5,812	R4,832 R67,796
November....	639	305	666	665	3,168	935	R7,306	--	507	RE5,946	R4,863 R68,021
December....	641	303	660	665	3,274	950	7,233	--	505	PE5,894	4,854 67,437
2001 Average....	639	301	643	659	3,127	960	7,049	--	518	PE5,848	4,734 68,068

¹/ Other is a calculated total derived from the difference between "World" and the sum of production in "Total OPEC" (Table 1.1a) and all other countries listed (Tables 1.1b and 1.1c). The total "North Sea" is not subtracted from the world total, though Norway and the United Kingdom have been subtracted.

-- = Not applicable. R=Revised data. E=Estimated. PE=Preliminary estimate. RE=Revised estimate.

Notes: •Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.2 OPEC Crude Oil Production (Excluding Condensate), 1990-Present
 (Thousands Barrels per Day)

	Algeria	Indo-nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene-zuela	Total OPEC
1990 Average...	765	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,100	22,461
1991 Average...	800	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,506
1992 Average...	772	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	23,558
1993 Average...	747	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	24,304
1994 Average...	750	1,334	3,583	548	2,025	1,378	1,821	380	8,120	2,113	2,542	24,594
1995 Average...	767	1,343	3,608	555	2,057	1,390	1,878	407	8,231	2,148	2,710	25,094
1996 Average...	812	1,367	3,651	574	2,062	1,401	1,885	475	8,218	2,198	2,898	25,541
1997 Average...	847	1,355	3,629	1,150	2,007	1,446	2,017	515	8,362	2,236	3,240	26,804
1998 Average...	816	1,338	3,599	2,145	2,085	1,390	2,043	661	8,389	2,265	3,127	27,858
1999 Average...	772	1,324	3,522	2,503	1,898	1,319	2,020	630	7,833	2,089	2,776	26,686
2000 January...	760	1,280	3,430	2,210	1,962	1,330	1,900	660	7,863	2,165	2,740	26,300
February..	760	1,250	3,490	2,590	2,015	1,380	1,950	670	7,865	2,170	2,800	26,940
March.....	760	1,250	3,700	2,210	2,040	1,390	1,970	670	7,865	2,220	2,800	26,875
April.....	800	1,280	3,640	2,650	2,100	1,400	2,030	680	8,100	2,300	2,850	27,830
May.....	810	1,310	3,650	3,050	2,100	1,400	2,000	700	8,200	2,300	2,880	28,400
June.....	820	1,310	3,670	2,560	2,150	1,420	2,030	700	8,250	2,200	2,900	28,010
July.....	820	1,310	3,715	2,520	2,170	1,425	2,070	720	8,390	2,400	2,920	28,300
August....	830	1,310	3,715	2,990	2,173	1,420	2,050	720	8,823	2,300	2,930	29,260
September.	820	1,310	3,720	2,870	2,170	1,430	2,000	720	8,975	2,310	2,930	29,255
October...	840	1,280	3,800	3,000	2,210	1,440	2,100	725	8,800	2,330	3,000	29,525
November..	835	1,270	3,795	2,810	2,215	1,440	2,150	730	8,900	2,335	3,000	29,480
December..	850	1,275	3,870	1,350	2,210	1,445	2,155	730	8,800	2,340	3,030	28,055
2000 Average...	809	1,286	3,684	2,566	2,126	1,410	2,034	702	8,404	2,268	2,899	28,188
2001 January...	850	1,255	3,900	1,730	2,200	1,450	2,150	740	8,700	2,360	3,050	28,385
February..	820	1,260	3,750	2,190	2,130	1,400	2,120	700	8,320	2,300	2,980	27,970
March.....	820	1,235	3,800	2,850	2,100	1,390	2,150	700	8,300	2,340	2,950	28,635
April.....	805	1,210	3,750	2,925	2,010	1,380	2,070	680	7,950	2,250	2,870	27,900
May.....	820	1,220	3,650	2,900	1,993	1,360	2,000	690	8,000	2,197	2,840	27,670
June.....	840	1,240	3,750	1,100	2,030	1,370	2,065	700	8,050	2,180	2,850	26,175
July.....	850	1,220	3,840	2,140	2,020	1,380	2,000	700	8,250	2,160	2,840	27,400
August....	850	1,210	3,750	2,870	2,035	1,380	2,067	690	8,070	2,147	2,830	27,899
September.	820	1,200	3,620	2,668	1,970	1,350	2,220	650	7,800	2,070	2,670	27,038
October...	800	1,190	3,500	2,906	1,950	1,320	2,210	650	7,670	2,040	2,700	26,936
November..	810	1,190	3,500	2,800	1,940	1,310	2,210	630	7,670	2,040	2,690	26,790
December..	810	1,160	3,456	2,020	1,940	1,310	2,250	620	7,600	2,040	2,700	25,806
2001 Average...	825	1,216	3,689	2,427	2,026	1,367	2,117	679	8,031	2,176	2,830	27,383

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from January 1990 through July 1990 and beginning again in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In December 2001, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 640 thousand barrels per day. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

Notes: •OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

•Monthly data are often preliminary and also may not average to the annual totals due to rounding.

Sources: See end of Section 1.

Table 1.3 World Natural Gas Plant Liquids Production, 1990-Present
 (Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Russia	Former USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1990 Average.....	130	426	428	620	--	425	1,559	930	1,107	1,281	4,632
1991 Average.....	140	431	457	680	--	420	1,659	931	1,113	1,299	4,827
1992 Average.....	140	460	454	713	230	--	1,697	1,003	1,185	1,364	4,974
1993 Average.....	145	506	459	704	220	--	1,736	1,040	1,238	1,435	5,180
1994 Average.....	140	529	461	698	200	--	1,727	1,071	1,267	1,465	5,292
1995 Average.....	145	581	447	701	180	--	1,762	1,106	1,301	1,506	5,485
1996 Average.....	150	596	423	697	185	--	1,830	1,082	1,295	1,501	5,576
1997 Average.....	160	636	388	712	195	--	1,817	1,152	1,384	1,589	5,721
1998 Average.....	155	651	424	755	220	--	1,759	1,225	1,449	1,662	5,874
1999 Average.....	190	653	439	666	231	--	1,850	1,152	1,411	1,648	5,984
2000 January.....	190	701	463	665	238	--	1,956	1,160	1,417	1,660	6,258
February.....	190	694	449	665	245	--	1,987	1,165	1,422	1,665	6,226
March.....	190	690	436	665	239	--	1,987	1,165	1,422	1,665	6,198
April.....	190	663	428	685	217	--	1,968	1,185	1,442	1,685	6,143
May.....	190	699	444	690	231	--	1,943	1,190	1,447	1,690	6,154
June.....	190	665	445	695	220	--	1,922	1,195	1,452	1,695	6,121
July.....	190	675	425	705	218	--	1,934	1,205	1,462	1,705	6,071
August.....	190	695	431	735	225	--	1,941	1,235	1,492	1,735	6,145
September....	190	710	460	750	236	--	1,923	1,250	1,507	1,750	6,234
October....	190	725	413	740	230	--	1,919	1,240	1,497	1,740	6,183
November....	190	725	420	740	245	--	1,876	1,240	1,497	1,740	6,290
December....	190	750	441	735	244	--	1,583	1,235	1,492	1,735	6,005
2000 Average.....	190	699	438	706	232	--	1,911	1,206	1,463	1,706	6,168
2001 January.....	190	680	452	725	246	--	1,381	1,253	1,507	1,753	5,856
February.....	190	749	428	700	247	--	1,728	1,228	1,482	1,728	6,182
March.....	190	740	431	700	244	--	1,830	1,228	1,482	1,718	6,312
April.....	190	713	438	675	233	--	1,836	1,214	1,466	1,704	6,208
May.....	190	674	418	675	230	--	1,921	1,214	1,466	1,704	6,254
June.....	190	697	441	680	226	--	1,910	1,219	1,471	1,709	6,282
July.....	190	657	440	695	230	--	1,892	1,236	1,491	1,726	6,240
August.....	190	700	444	695	233	--	1,946	1,236	1,491	1,726	6,300
September....	190	700	439	660	233	--	2,027	1,201	1,456	1,691	6,321
October....	190	735	417	650	236	--	2,016	1,191	1,446	1,681	R6,339
November....	190	R754	404	650	243	--	RE1,994	1,191	1,446	1,681	R6,513
December....	190	760	440	650	210	--	E2,025	1,191	1,446	1,681	6,492
2001 Average.....	190	713	433	680	234	--	E1,876	1,217	1,471	1,708	6,275

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia. Excludes fuel ethanol blended into finished motor gasoline.

^{2/} See Appendix A for countries in this group.

^{3/} OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in these groups.

-- = Not applicable. R=Revised data. E=Estimated.

Notes: •Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.4 World Oil Supply, 1990-Present
 (Thousand Barrels per Day)

	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1990 Average.....	9,677	16,249	17,232	24,536	66,743
1991 Average.....	9,883	15,704	16,747	24,625	66,617
1992 Average.....	9,768	17,010	17,871	25,818	66,941
1993 Average.....	9,602	17,792	18,505	26,610	67,335
1994 Average.....	9,413	18,072	18,745	27,031	68,246
1995 Average.....	9,400	18,351	19,069	27,566	69,868
1996 Average.....	9,445	18,486	19,237	28,018	71,397
1997 Average.....	9,461	19,284	20,067	29,355	73,658
1998 Average.....	9,278	20,599	21,282	30,492	75,124
1999 Average.....	8,993	19,856	20,542	29,283	74,184
2000 January.....	9,030	19,678	20,330	28,941	74,875
February.....	9,129	20,193	20,830	29,586	75,464
March.....	9,238	20,098	20,530	29,521	75,511
April.....	9,154	20,883	21,413	30,496	76,106
May.....	9,140	21,418	21,942	31,071	76,619
June.....	9,078	20,953	21,482	30,686	76,367
July.....	8,978	21,188	21,653	30,986	76,918
August.....	9,017	22,183	22,635	31,976	77,761
September.....	9,054	22,243	22,685	31,986	77,960
October.....	9,077	22,333	22,760	32,246	78,322
November.....	9,086	22,253	22,675	32,201	79,005
December.....	8,721	20,763	21,121	30,771	77,362
2000 Average.....	9,058	21,183	21,672	30,874	76,858
2001 January.....	E8,508	21,110	21,431	31,144	77,384
February.....	E8,889	20,845	21,224	30,704	77,302
March.....	E8,990	21,545	21,858	31,339	78,009
April.....	E8,982	21,006	21,333	30,577	77,000
May.....	E9,130	20,871	21,235	30,347	76,447
June.....	E9,000	19,256	19,579	28,857	74,860
July.....	E9,040	20,573	20,830	30,107	76,870
August.....	E9,009	21,025	21,374	30,606	77,054
September.....	E9,158	20,206	20,627	29,710	R76,778
October.....	E9,200	20,134	20,617	29,598	R76,672
November.....	RE9,297	19,998	20,485	29,452	R77,055
December.....	PE9,245	19,094	19,625	28,468	76,420
2001 Average.....	PE9,038	20,473	20,852	30,075	76,821

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia. Beginning in 1993, includes fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants.

^{2/} See Appendix A for countries in this group.

^{3/} OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in these groups.

R=Revised data. E=Estimated. PE=Preliminary estimate. RE=Revised estimate.

Notes: •Oil Supply includes crude oil, natural gas plant liquids, other liquids, and refinery processing gain. See Explanatory Note 1 in Appendix B. •Monthly data are often preliminary and also may not average to the annual total due to rounding.

See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.5 Oil Stocks in OECD Countries, End of Period
(Million Barrels)

		France	Germany	Italy	United Kingdom	OECD Europe ^{1/}	Canada	Japan	Korea, South	United States ^{2/}	Other ^{3/}	Total OECD ^{4/}
1997	December.....	164	298	147	105	1,306	115	685	88	1,560	122	3,876
1998	December.....	161	321	153	109	1,364	118	649	85	1,647	112	3,975
1999	December.....	163	287	148	105	1,294	109	629	84	1,493	106	3,715
2000	January.....	166	297	153	105	1,287	108	622	80	1,477	110	3,684
	February.....	167	288	149	106	1,281	108	613	79	1,466	113	3,661
	March.....	170	285	154	106	1,278	110	606	79	1,476	103	3,652
	April.....	171	281	152	104	1,259	112	618	79	1,505	110	3,684
	May.....	172	280	148	98	1,247	110	634	80	1,518	112	3,701
	June.....	174	278	152	99	1,263	112	632	87	1,526	108	3,728
	July.....	171	280	150	106	1,280	117	639	103	1,540	114	3,791
	August.....	171	274	153	102	1,272	117	639	87	1,532	106	3,753
	September....	173	274	156	99	1,283	117	627	92	1,527	122	3,767
	October.....	170	276	160	102	1,277	114	642	97	1,507	115	3,752
	November....	171	272	162	101	1,283	116	645	99	1,505	123	3,772
	December....	174	271	157	103	1,304	112	634	89	1,468	117	3,724
2001	January.....	168	273	163	100	1,291	113	628	80	1,477	116	3,705
	February....	172	275	159	101	1,292	111	620	86	1,471	118	3,698
	March.....	171	270	158	103	1,293	117	636	80	1,477	116	3,718
	April.....	171	271	159	102	1,285	116	646	86	1,517	107	3,758
	May.....	171	270	156	102	1,282	119	647	80	1,553	109	3,791
	June.....	171	263	149	105	1,280	116	641	83	1,559	113	3,792
	July.....	164	262	149	107	R1,272	R123	636	90	1,565	112	R3,798
	August.....	168	261	156	103	R1,286	122	647	93	1,545	116	R3,810
	September....	167	257	152	101	R1,284	R125	654	92	1,575	122	R3,852
	October....	170	261	151	110	1,278	125	670	95	1,576	119	3,863

1/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

2/ U.S. geographic coverage is the 50 States and the District of Columbia.

3/ "Other" consists of Australia, Mexico, New Zealand, and the U.S. Territories.

4/ Total OECD includes OECD Europe, Canada, Japan, South Korea, United States, and Other.

R=Revised data.

Notes: •Oil Stocks - See Explanatory Note 2 in Appendix B. •See Table 4.5 for historical series.

Sources: See end of Section 1.

Table 1.6 Commercial and Government-Owned Oil Stocks in OECD Countries (End of September 2001)
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	R125	0	R125
Mexico.....	51	0	51
United States ^{1/}	1,030	545	1,575
United States Territories.....	21	0	21
Australia/New Zealand.....	50	NA	50
Japan.....	341	313	654
Korea, South.....	92	NA	92
Austria.....	21	0	21
Belgium/Luxembourg.....	R30	0	R30
Czech Republic.....	16	0	16
Denmark.....	21	0	21
Finland.....	28	0	28
France.....	167	0	167
Germany.....	202	55	257
Greece.....	25	NA	25
Hungary.....	17	2	19
Ireland.....	R13	0	R13
Italy.....	152	0	152
Netherlands.....	104	0	104
Norway.....	30	0	30
Poland.....	27	0	27
Portugal.....	26	0	26
Spain.....	118	0	118
Sweden.....	R38	0	R38
Switzerland.....	38	0	38
Turkey.....	52	0	52
United Kingdom.....	101	0	101
OECD Europe.....	R1,227	57	R1,284
Total OECD.....	R2,937	915	R3,852

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia.

NA=Not available. R=Revised data.

Notes: •Sum of components may not equal total due to rounding. •Oil Stocks - See Explanatory Note 2 in Appendix B.

•OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

Sources: See end of Section 1.

Table 1.7 OECD Oil Demand, 1997-Present
 (Thousand Barrels per Day)

		France	Germany	Italy	United Kingdom	OECD Europe ^{1/}	Canada	Japan	Korea, South	United States ^{2/}	Other ^{3/}	Total OECD ^{4/}
1997	Average.....	1,957	2,915	1,908	1,805	15,009	1,923	5,728	2,260	18,620	3,084	46,626
1998	Average.....	2,030	2,921	1,945	1,789	15,335	1,947	5,528	1,930	18,917	3,228	46,885
1999	Average.....	2,027	2,836	1,841	1,739	15,169	2,029	5,587	2,075	19,519	3,313	47,692
2000	January.....	2,168	2,408	1,825	1,690	14,688	1,919	5,452	2,364	19,026	3,378	46,825
	February.....	2,144	2,722	1,986	1,780	15,633	2,175	6,394	2,401	19,635	3,318	49,555
	March.....	2,125	2,752	1,896	1,876	15,437	1,992	6,254	2,283	19,218	3,468	48,652
	April.....	1,950	2,658	1,775	1,631	14,475	1,885	5,233	2,138	18,816	3,213	45,760
	May.....	1,860	2,693	1,750	1,645	14,672	2,111	4,915	2,093	19,605	3,381	46,776
	June.....	1,969	2,717	1,909	1,677	14,984	2,077	4,930	2,001	20,054	3,308	47,353
	July.....	1,970	2,755	1,812	1,616	14,605	2,022	5,271	1,832	19,696	3,206	46,633
	August.....	1,980	3,073	1,815	1,747	15,581	2,111	5,526	2,034	20,496	3,456	49,204
	September...	1,807	2,995	1,928	1,778	15,400	2,140	5,476	2,037	19,899	3,263	48,214
	October....	2,257	2,767	1,859	1,773	15,537	2,127	5,047	1,978	19,798	3,303	47,790
	November....	2,041	2,857	1,885	1,813	15,488	2,199	5,616	2,272	19,328	3,351	48,253
	December....	1,976	2,841	1,977	1,626	15,207	2,129	6,246	2,336	20,814	3,324	50,057
	Average.....	2,021	2,770	1,867	1,721	15,140	2,073	5,528	2,146	19,701	3,331	47,920
2001	January.....	2,176	2,679	1,836	1,715	15,211	2,065	6,076	2,441	19,900	3,290	48,983
	February....	2,110	2,625	1,929	1,710	15,210	2,095	6,409	2,297	19,597	3,372	48,979
	March.....	2,019	2,777	1,815	1,810	15,162	1,948	5,889	2,251	19,892	3,453	48,594
	April.....	2,021	2,710	1,723	1,719	14,665	1,861	5,137	1,994	19,591	3,215	46,464
	May.....	1,905	2,726	1,814	1,681	14,808	1,982	4,930	1,990	19,491	3,396	46,597
	June.....	1,974	2,859	1,785	1,681	14,858	1,963	4,867	2,046	19,608	3,302	46,645
	July.....	2,057	2,985	1,925	1,664	R15,338	1,975	5,147	1,825	19,884	3,253	R47,422
	August....	1,996	3,023	1,837	1,696	15,451	R2,122	5,226	1,919	20,085	3,319	R48,123
	September...	2,093	2,894	2,040	1,727	R15,780	R1,894	4,979	2,161	19,082	3,094	R46,990
	October....	2,067	2,907	1,915	1,609	15,420	2,070	4,955	1,937	19,651	3,317	47,350

^{1/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{2/} U.S. geographic coverage is the 50 States and the District of Columbia.

^{3/} "Other" consists of Australia, Mexico, New Zealand, and the U.S. Territories.

^{4/} Total OECD includes OECD Europe, Canada, Japan, South Korea, United States, and Other.

R=Revised data.

Notes: •The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition. •See Table 4.6 for historical series. See Appendix B Note 3 for change in demand calculation methodology.

Sources: See end of Section 1.

Sources for Section 1 (Annual and Monthly Oil Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: Energy Information Administration (EIA), Petroleum Supply Annual 2000 and Petroleum Supply Monthly, January 2002.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Energy Intelligence Group, Inc., Petroleum Intelligence Weekly, various issues. All Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, December 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 2000 and Petroleum Supply Monthly, January 2002.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Monthly Oil Statistics data base, 1997-2001.

Oil Demand

United States: EIA, Petroleum Supply Annual 2000 and Petroleum Supply Monthly, January 2002.

Other OECD Countries: • OECD, Monthly Oil Statistics data base, 1997-2001.

2. International Oil Balance Data

Table 2.1 World Oil Balance, 1997-2001
 (Million Barrels Per Day)

	1997	1998	1999	2000				2001						
	Annual		Quarter		Annual		Quarter		Annual					
	Average		First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average		
Supply^{1/}														
OECD														
United States ^{2/}	9.46	9.28	8.99	9.13	9.12	9.02	8.96	9.06	8.79	9.04	9.07	9.25	9.04	
Other OECD.....	13.97	14.04	13.88	14.61	14.16	14.21	14.39	14.34	14.46	13.99	14.12	14.61	14.29	
Total OECD.....	23.44	23.32	22.87	23.74	23.28	23.23	23.35	23.40	23.25	23.03	23.19	23.85	23.33	
Non-OECD														
OPEC.....	29.35	30.49	29.28	29.34	30.75	31.65	31.73	30.87	31.07	29.93	30.15	29.17	30.08	
Former USSR.....	7.22	7.26	7.65	7.89	7.97	8.19	8.46	8.13	8.64	8.68	8.93	9.09	8.84	
Other Non-OECD.....	13.65	14.06	14.38	14.31	14.36	14.48	14.68	14.46	14.61	14.46	14.63	14.59	14.57	
Total Non-OECD.....	50.22	51.80	51.31	51.54	53.08	54.32	54.87	53.46	54.33	53.08	53.71	52.86	53.49	
Total World Supply.....	73.66	75.12	74.18	75.28	76.37	77.54	78.22	76.86	77.57	76.11	76.90	76.71	76.82	
Demand^{3/}														
OECD														
United States ^{2/}	18.62	18.92	19.52	19.29	19.49	20.03	19.99	19.70	19.80	19.56	19.69	NA	NA	
Other OECD.....	28.01	27.97	28.17	29.03	27.14	27.98	28.72	28.22	29.05	27.01	27.83	NA	NA	
Total OECD.....	46.63	46.88	47.69	48.32	46.63	48.01	48.70	47.92	48.85	46.57	47.52	NA	NA	
Non-OECD														
China.....	3.92	4.11	4.32	4.83	4.78	4.73	4.78	4.78	4.92	4.87	4.81	NA	NA	
Former USSR.....	3.87	3.78	3.72	3.70	3.55	3.55	3.55	3.59	3.67	3.52	3.51	NA	NA	
Other Non-OECD.....	18.44	18.83	19.24	19.22	19.50	19.39	19.58	19.42	19.50	19.73	19.52	NA	NA	
Total Non-OECD.....	26.23	26.72	27.29	27.75	27.83	27.67	27.91	27.79	28.09	28.12	27.84	NA	NA	
Total World Demand.....	72.85	73.60	74.98	76.07	74.47	75.69	76.62	75.71	76.93	74.69	75.36	NA	NA	
Stock Draws / Discrepancy														
Net Reported Stock Draws ^{4/}														
U. S. Commercial.....	-.15	-.22	.41	.20	-.55	.00	.33	.00	-.10	-.88	-.16	NA	NA	
U. S. Strategic.....	.01	-.02	.01	-.02	.00	-.01	.32	.07	-.01	-.01	-.02	NA	NA	
Other OECD.....	-.16	-.03	.29	.51	-.29	-.41	-.18	-.09	.18	.08	-.47	NA	NA	
For Export & Afloat.....	-.12	-.01	.15	-.44	-.49	-.43	.27	-.23	-.28	.66	-.33	NA	NA	
Commr. Floating Storage...	.00	-.08	-.07	.03	.20	.09	.04	.09	.00	.01	-.01	NA	NA	
Total Reported Draws.....	-.42	-.37	.79	.29	-1.14	-.77	.78	-.17	-.21	-.14	-.99	NA	NA	
Other Stock Draws and Statistical Discrepancy ^{5/}	-.38	-1.15	.01	.50	-.77	-1.09	-2.39	-.98	-.43	-1.27	-.56	NA	NA	

^{1/} Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery processing gain, alcohol, and liquids produced from coal and other sources. See Explanatory Note 1 in Appendix B.

^{2/} U.S. geographical coverage is the 50 States and the District of Columbia.

^{3/} The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix C for definition. See Appendix B Note 3 for change in demand calculation methodology.

^{4/} Stock draws are positive numbers, stock additions are negative numbers.

^{5/} This is computed as Total Demand minus the sum of Total Supply and Total Reported Stock Draw.

NA=Not available. Note: Sum of components may not equal total due to rounding.

*OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

Sources: See end of Section 2.

Table 2.2 World Oil Supply, 1997-2001
 (Million Barrels Per Day)

	1997	1998	1999	2000				2001					
	Annual		Quarter				Annual		Quarter		Annual		
	Average		First	Second	Third	Fourth	Average		First	Second	Third	Fourth	
OECD													
United States ^{1/} ...	9.46	9.28	8.99	9.13	9.12	9.02	8.96	9.06	8.79	9.04	9.07	9.25	9.04
Canada.....	2.62	2.69	2.62	2.71	2.71	2.74	2.80	2.74	2.84	2.77	2.72	2.90	2.81
Mexico.....	3.44	3.52	3.37	3.45	3.51	3.54	3.41	3.48	3.59	3.52	3.65	3.59	3.59
North Sea ^{2/}	6.20	6.18	6.32	6.66	6.18	6.18	6.45	6.37	6.35	6.06	6.14	6.50	6.26
Other OECD.....	1.71	1.65	1.57	1.78	1.76	1.75	1.74	1.76	1.68	1.63	1.62	1.62	1.64
Total OECD.....	23.44	23.32	22.87	23.74	23.28	23.23	23.35	23.40	23.25	23.03	23.19	23.85	23.33
Non-OECD													
OPEC													
Crude													
Algeria.....	1.28	1.25	1.20	1.19	1.24	1.25	1.27	1.24	1.26	1.25	1.27	1.24	1.25
Indonesia.....	1.52	1.52	1.47	1.44	1.48	1.49	1.46	1.47	1.42	1.37	1.36	1.33	1.37
Iran.....	3.66	3.63	3.56	3.58	3.69	3.75	3.86	3.72	3.85	3.75	3.77	3.52	3.72
Iraq.....	1.15	2.15	2.51	2.34	2.76	2.80	2.39	2.57	2.26	2.32	2.56	2.58	2.43
Kuwait.....	2.01	2.09	1.90	2.01	2.12	2.17	2.21	2.13	2.14	2.01	2.01	1.94	2.03
Libya.....	1.45	1.39	1.32	1.37	1.41	1.42	1.44	1.41	1.41	1.37	1.37	1.31	1.37
Nigeria.....	2.13	2.15	2.13	2.05	2.13	2.15	2.24	2.14	2.28	2.18	2.23	2.33	2.26
Qatar.....	.55	.70	.66	.70	.73	.75	.76	.74	.75	.72	.72	.67	.71
Saudi Arabia..	8.36	8.39	7.83	7.86	8.18	8.73	8.83	8.40	8.44	8.00	8.04	7.65	8.03
United Arab													
Emirates...	2.32	2.35	2.17	2.27	2.35	2.36	2.41	2.35	2.41	2.29	2.21	2.12	2.26
Venezuela....	3.28	3.17	2.83	2.83	2.93	2.98	3.06	2.95	3.04	2.90	2.83	2.75	2.88
Natural Gas													
Plant Liquids	1.59	1.66	1.65	1.66	1.69	1.73	1.74	1.71	1.73	1.71	1.71	1.68	1.71
Processing Gain.	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06
Total OPEC.....	29.35	30.49	29.28	29.34	30.75	31.65	31.73	30.87	31.07	29.93	30.15	29.17	30.08
Former USSR.....	7.22	7.26	7.65	7.89	7.97	8.19	8.46	8.13	8.64	8.68	8.93	9.09	8.84
China.....	3.20	3.20	3.19	3.27	3.28	3.24	3.21	3.25	3.31	3.31	3.28	3.30	3.30
Other Non-OECD....	10.45	10.86	11.18	11.04	11.08	11.25	11.47	11.21	11.30	11.16	11.35	11.29	11.27
Total Non-OECD....	50.22	51.80	51.31	51.54	53.08	54.32	54.87	53.46	54.33	53.08	53.71	52.86	53.49
Total Supply.....	73.66	75.12	74.18	75.28	76.37	77.54	78.22	76.86	77.57	76.11	76.90	76.71	76.82

1/ U.S. geographic coverage is the 50 States and the District of Columbia.

2/ North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.

NA=Not available.

Notes: •Supply includes crude oil (including lease condensate), natural gas plant liquids (except for individual OPEC countries), other hydrocarbons for refinery feedstocks, alcohol, liquids produced from coal and other sources, and refinery processing gain (except for individual OPEC countries). For OPEC, natural gas plant liquids production and refinery processing gain are shown as separate lines. •Sum of components may not equal total due to rounding.

•OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

Sources: See end of Section 2.

Table 2.3 Oil Stocks, End of Period
(Million Barrels)

	1997	1998	1999	2000				2001			
	Year End		Quarter				Quarter				
			First	Second	Third	Fourth	First	Second	Third	Fourth	
OECD											
United States ^{1/}											
Commercial.....	997	1,076	926	907	957	957	927	935	1,016	1,030	
Strategic.....	563	571	567	569	569	570	541	542	543	545	
U. S. Territories.....	23	22	20	19	20	20	19	18	19	21	
Canada.....	115	118	109	110	112	117	112	117	116	125	
Mexico.....	48	46	37	37	38	47	48	46	41	51	
Australia & New Zealand	51	44	48	46	50	54	51	51	53	50	
Japan.....	685	649	629	606	632	627	634	636	641	654	
Korea, South.....	88	85	84	79	87	92	89	80	83	92	
OECD Europe											
France.....	164	161	163	170	174	173	174	171	171	167	
Germany.....	298	321	287	285	278	274	271	270	263	257	
Italy.....	147	153	148	154	152	156	157	158	149	152	
United Kingdom.....	105	109	105	106	99	99	103	103	105	101	
Other OECD Europe....	593	620	591	562	560	581	598	591	592	606	
Total.....	1,306	1,364	1,294	1,278	1,263	1,283	1,304	1,293	1,280	1,284	
Total OECD.....	3,876	3,975	3,715	3,652	3,728	3,767	3,724	3,718	3,792	3,852	
Stocks for Export											
and Afloat ^{2/}	1,030	1,035	980	1,020	1,065	1,105	1,080	1,090	1,030	1,060	
Commercial Floating ^{3/}	70	100	126	123	105	97	93	93	92	NA	
Commercial Floating ^{3/}	70	100	126	123	105	97	93	93	92	NA	

^{1/} U.S. stock data include Alaskan crude oil in transit by water. These data were previously reported in stocks for export and afloat. U.S. geographic coverage is the 50 States and the District of Columbia.

^{2/} Stocks held at export terminals of major crude oil producing countries and commercial oil afloat based on quarterly analysis of world seaborne movements.

^{3/} Stocks stored by industry in tankers moored offshore. Excludes strategic storage.

Notes: •Oil Stocks - See Note 2 in Appendix B. •Sum of components may not equal total due to rounding.

•"OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

Sources: See end of Section 2.

Table 2.4 World Oil Demand, 1997-2001
 (Million Barrels Per Day)

	1997	1998	1999	2000				2001						
	Annual		Quarter				Annual		Quarter				Annual	
	Average		First	Second	Third	Fourth	Average		First	Second	Third	Fourth	Average	
OECD														
United States ^{1/}	18.62	18.92	19.52	19.29	19.49	20.03	19.99	19.70	19.80	19.56	19.69	NA	NA	
U. S. Territories.....	.27	.31	.32	.37	.28	.32	.37	.34	.38	.37	.29	NA	NA	
Canada.....	1.92	1.95	2.03	2.03	2.03	2.09	2.15	2.07	2.03	1.94	2.00	NA	NA	
Mexico.....	1.85	1.95	2.00	2.01	2.00	2.00	1.95	1.99	1.97	1.90	1.94	NA	NA	
Australia & New Zealand.....	.96	.97	.99	1.01	1.02	.98	1.00	1.00	1.02	1.03	1.00	NA	NA	
Japan.....	5.73	5.53	5.59	6.03	5.02	5.42	5.64	5.53	6.11	4.98	5.12	NA	NA	
Korea, South.....	2.26	1.93	2.07	2.35	2.08	1.97	2.19	2.15	2.33	2.01	1.97	NA	NA	
OECD Europe ^{2/}														
France.....	1.96	2.03	2.03	2.15	1.93	1.92	2.09	2.02	2.10	1.97	2.05	NA	NA	
Germany ^{3/}	2.91	2.92	2.84	2.63	2.69	2.94	2.82	2.77	2.70	2.76	2.97	NA	NA	
Italy.....	1.91	1.95	1.84	1.90	1.81	1.85	1.91	1.87	1.86	1.77	1.93	NA	NA	
United Kingdom.....	1.80	1.79	1.74	1.78	1.65	1.71	1.74	1.72	1.75	1.69	1.70	NA	NA	
Other OECD Europe.....	6.42	6.65	6.72	6.79	6.63	6.77	6.85	6.76	6.79	6.58	6.88	NA	NA	
Total OECD Europe.....	15.01	15.34	15.17	15.24	14.71	15.19	15.41	15.14	15.19	14.78	15.52	NA	NA	
Total OECD.....	46.63	46.88	47.69	48.32	46.63	48.01	48.70	47.92	48.85	46.57	47.52	NA	NA	
Non-OECD														
Former USSR.....	3.87	3.78	3.72	3.70	3.55	3.55	3.55	3.59	3.67	3.52	3.51	NA	NA	
Non-OECD Europe.....	.75	.72	.72	.73	.73	.73	.73	.73	.75	.74	.74	NA	NA	
China.....	3.92	4.11	4.32	4.83	4.78	4.73	4.78	4.78	4.92	4.87	4.81	NA	NA	
Other Asia.....	6.63	6.74	6.93	6.86	6.91	6.74	7.01	6.88	6.96	6.96	6.72	NA	NA	
Other Non-OECD.....	11.07	11.38	11.60	11.63	11.86	11.92	11.84	11.81	11.79	12.02	12.06	NA	NA	
Total Non-OECD.....	26.23	26.72	27.29	27.75	27.83	27.67	27.91	27.79	28.09	28.12	27.84	NA	NA	
Total World Demand.....	72.85	73.60	74.98	76.07	74.47	75.69	76.62	75.71	76.93	74.69	75.36	NA	NA	

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia.

^{2/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{3/} The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Oil demand includes bunkers and refinery fuel. The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix B Note 3 for change in demand calculation methodology. •Sum of components may not equal total due to rounding.

Sources: See end of Section 2.

Sources for Section 2 (International Oil Balance Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: Energy Information Administration (EIA), Petroleum Supply Annual 2000 and Petroleum Supply Monthly, January 2002.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Energy Intelligence Group, Inc., Petroleum Intelligence Weekly, various issues. Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, December 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 2000 and Petroleum Supply Monthly, January 2002.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Monthly Oil Statistics data base, 1996-2001. Stocks for Export and Afloat and Commercial Floating Stocks -- Petroleum Economics Limited, Oil Industry Developments, various issues.

Oil Demand

United States: EIA, Petroleum Supply Annual 2000 and Petroleum Supply Monthly, January 2002.

Other OECD Countries: • OECD, Monthly Oil Statistics data base, 1997-2001.

OPEC Countries: EIA, International Energy Annual, various issues and Short-Term Energy Outlook, various issues.

Other countries: EIA, International Energy Annual, various issues and Short-Term Energy Outlook, various issues.

3. International Oil Imports

Table 3.1 Average Net Oil Imports into OECD Countries, (2000 Average)
 (Million Barrels per Day)

	OECD Europe							OECD Outside Europe				
	Total		France	Germany ^{1/}	Italy	United Kingdom	Other Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}
	Total											
Total Net Imports..	23.993	7.813	1.868	2.561	1.744	-1.068	2.709	-0.839	5.486	2.224	10.419	-1.111
Imports from OPEC ^{5/}	18.774	5.936	.883	.595	1.288	.161	3.009	.310	4.438	2.224	5.182	.684
Imports from Persian Gulf ^{6/}												
Total.....	12.259	3.240	.601	.129	.578	.086	1.845	.108	4.124	2.053	2.483	.250
Bahrain.....	.029	.002	.000	-	.000	.001	.001	.000	.011	.016	-.001	.002
Iran.....	1.539	.791	.102	.018	.208	.000	.464	.000	.498	.247	.000	.002
Iraq.....	1.582	.744	.148	.004	.168	-	.424	.047	.072	.049	.620	.049
Kuwait.....	1.331	.259	.029	.013	.031	.016	.170	.000	.536	.260	.272	.005
U.A.E.....	1.837	.028	.007	.000	.000	.015	.005	.000	1.305	.442	.012	.050
Qatar.....	.610	.003	.002	-	-	-	.001	-	.444	.150	.009	.005
Saudi Arabia.....	5.330	1.413	.314	.093	.171	.054	.781	.061	1.258	.890	1.571	.137
Imports from OPEC-Africa												
Total.....	3.886	2.506	.277	.431	.697	.052	1.049	.099	.017	.034	1.121	.108
Algeria.....	1.156	.817	.123	.147	.129	.019	.400	.068	.002	.006	.225	.037
Libya.....	1.210	1.210	.060	.244	.546	.033	.328	-	-	.000	.000	.000
Nigeria.....	1.520	.479	.094	.040	.023	.001	.322	.030	.015	.028	.896	.071
Imports from OPEC-South America												
Total.....	2.104	.190	.004	.035	.011	.024	.115	.104	.012	.000	1.530	.269
Venezuela.....	2.104	.190	.004	.035	.011	.024	.115	.104	.012	.000	1.530	.269
Imports from OPEC-Far East												
Total.....	.555	.003	.001	.000	.001	.000	.001	-	.294	.152	.047	.058
Indonesia.....	.555	.003	.001	.000	.001	.000	.001	-	.294	.152	.047	.058

1/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

2/ "Other Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, Greece, Hungary, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, and Turkey.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "Other" consists of Australia, Mexico, New Zealand, and U. S. Territories.

5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.2 Net Oil Imports into OECD Countries, (3rd Quarter 2001)
(Million Barrels per Day)

	OECD Europe							OECD Outside Europe				
	Total		France	Germany ^{1/}	Italy	United Kingdom	Other Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}
	Total											
Total Net Imports..	24.391	8.478	1.857	2.753	1.789	-0.767	2.846	-0.732	5.155	2.080	10.526	-1.117
Imports from OPEC ^{5/}	18.066	5.498	.890	.440	1.104	.235	2.828	.360	4.177	1.996	5.386	.649
Imports from Persian Gulf ^{6/}												
Total.....	11.736	2.859	.555	.112	.497	.120	1.574	.173	3.815	1.820	2.796	.274
Bahrain.....	.044	.017	.004	-	.002	.005	.007	.000	.018	.008	-.001	.001
Iran.....	1.516	.744	.101	.011	.221	.004	.407	.000	.571	.193	.000	.006
Iraq.....	1.461	.487	.110	.000	.063	-	.314	.085	.000	.000	.813	.076
Kuwait.....	1.278	.238	.055	.002	.020	.024	.136	.005	.469	.300	.262	.004
U.A.E.....	1.764	.054	.021	.000	.000	.029	.004	.000	1.133	.453	.037	.088
Qatar.....	.604	.000	.000	-	-	-	.000	-	.486	.084	.012	.022
Saudi Arabia.....	5.071	1.319	.264	.099	.191	.059	.706	.082	1.137	.782	1.673	.077
Imports from OPEC-Africa												
Total.....	3.677	2.420	.337	.293	.601	.091	1.099	.077	.043	.023	1.067	.046
Algeria.....	1.185	.854	.170	.083	.100	.042	.459	.068	.023	.020	.211	.009
Libya.....	1.097	1.097	.084	.163	.480	.040	.330	-	-	.000	.000	.000
Nigeria.....	1.395	.470	.083	.047	.021	.008	.310	.009	.021	.003	.856	.037
Imports from OPEC-South America												
Total.....	2.089	.233	.001	.035	.008	.029	.159	.110	.020	.003	1.492	.230
Venezuela.....	2.089	.233	.001	.035	.008	.029	.159	.110	.020	.003	1.492	.230
Imports from OPEC-Far East												
Total.....	.608	.003	.001	.000	.000	.000	.002	-	.317	.158	.031	.099
Indonesia.....	.608	.003	.001	.000	.000	.000	.002	-	.317	.158	.031	.099

1/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

2/ "Other Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, Greece, Hungary, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, and Turkey.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "Other" consists of Australia, Mexico, New Zealand, and U. S. Territories.

5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.3 Net Oil Imports into OECD Countries, (2nd Quarter 2001)
(Million Barrels per Day)

	OECD Europe							OECD Outside Europe				
	Total		France	Germany ^{1/}	Italy	United Kingdom	Other Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}
	Total											
Total Net Imports..	23.747	7.613	1.806	2.532	1.543	-0.807	2.539	-0.894	5.032	2.073	10.999	-1.076
Imports from OPEC ^{5/}	18.177	5.122	.754	.503	1.062	.181	2.623	.356	4.062	2.189	5.799	.650
Imports from Persian Gulf ^{6/}												
Total.....	11.742	2.663	.470	.088	.439	.129	1.537	.119	3.790	1.971	2.919	.279
Bahrain.....	.038	.015	.000	-	.000	.004	.010	.000	.013	.008	-.001	.003
Iran.....	1.457	.656	.063	.006	.196	.000	.392	.000	.538	.262	.000	.000
Iraq.....	1.542	.509	.100	.000	.062	-	.347	.073	.000	.023	.860	.078
Kuwait.....	1.163	.161	.029	.005	.010	.019	.097	.000	.500	.246	.249	.007
U.A.E.....	1.742	.080	.027	.000	.000	.053	.000	.000	1.123	.446	.052	.040
Qatar.....	.644	.000	.000	-	-	-	.000	-	.428	.163	.024	.028
Saudi Arabia.....	5.157	1.243	.251	.077	.171	.053	.691	.046	1.189	.822	1.735	.123
Imports from OPEC-Africa												
Total.....	3.755	2.277	.282	.382	.610	.034	.969	.103	.003	.040	1.269	.064
Algeria.....	1.087	.648	.115	.099	.099	.018	.316	.087	.003	.012	.324	.013
Libya.....	1.212	1.212	.076	.217	.504	.016	.399	-	-	.000	.000	.000
Nigeria.....	1.456	.416	.090	.066	.007	.000	.253	.015	.000	.029	.945	.051
Imports from OPEC-South America												
Total.....	2.110	.190	.001	.033	.012	.022	.122	.135	.020	.000	1.547	.218
Venezuela.....	2.110	.190	.001	.033	.012	.022	.122	.135	.020	.000	1.547	.218
Imports from OPEC-Far East												
Total.....	.608	.006	.001	.000	.000	.000	.005	-	.261	.185	.064	.092
Indonesia.....	.608	.006	.001	.000	.000	.000	.005	-	.261	.185	.064	.092

1/ The data for Germany are for unified Germany, i.e., the former East Germany and West Germany.

2/ "Other Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, Greece, Hungary, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, and Turkey.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "Other" consists of Australia, Mexico, New Zealand, and U. S. Territories.

5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.4 OECD Total Net Imports (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total.....	24.666	24.825	24.508	24.982	25.421	23.841	24.021	23.369	23.219	25.163	24.803	23.657
United States ^{1/}	10.201	10.958	11.154	10.447	10.996	11.361	11.130	10.501	10.690	10.234	10.659	10.191
Canada.....	-.740	-.963	-.816	-.969	-.737	-.966	-.752	-.968	-.696	-.748	-.751	-.887
Mexico.....	-1.441	-1.516	-1.427	-1.514	-1.548	-1.413	-1.549	-1.519	-1.510	-1.352	-1.495	-1.541
OECD Europe ^{2/}	8.284	8.499	7.106	8.089	7.888	6.865	7.707	8.262	7.722	9.128	8.586	8.203
Main European Importers												
France.....	1.922	1.900	1.799	1.953	1.786	1.685	1.771	1.962	1.725	2.069	1.773	2.153
Germany ^{3/}	2.625	2.631	2.640	2.627	2.351	2.589	2.553	2.453	2.822	2.837	2.596	2.852
Italy.....	1.775	1.792	1.869	1.599	1.640	1.657	1.556	1.414	1.715	1.841	1.813	1.743
Spain.....	1.339	1.496	1.458	1.414	1.447	1.361	1.391	1.390	1.471	1.522	1.391	1.503
Netherlands.....	.956	1.064	.960	.784	1.021	.648	.812	.916	.971	1.067	.653	.651
European Net Exporters												
Norway.....	-3.293	-3.198	-3.909	-3.133	-3.422	-3.519	-3.115	-2.739	-3.843	-3.212	-2.756	-3.787
United Kingdom....	-.857	-1.114	-.930	-.702	-.745	-.973	-.850	-.598	-.774	-.714	-.815	-.708
Smaller European Importers												
Austria.....	.194	.196	.187	.219	.210	.223	.243	.234	.211	.262	.264	.272
Belgium.....	.633	.690	.722	.605	.600	.583	.644	.476	.599	.530	.613	.495
Czech Republic....	.157	.176	.155	.141	.178	.182	.136	.198	.174	.155	.146	.177
Denmark.....	-.173	-.207	-.172	-.172	-.136	-.147	-.127	-.022	-.048	-.150	-.162	-.171
Ireland.....	.121	.132	.141	.132	.192	.118	.146	.118	.152	.118	.192	.165
Finland.....	.287	.259	.091	.183	.297	.143	.221	.208	.239	.235	.197	.271
Greece.....	.397	.371	.382	.430	.428	.315	.336	.257	.288	.401	.433	.407
Hungary.....	.102	.116	.084	.087	.072	.076	.097	.084	.071	.081	.098	.104
Iceland.....	.018	.015	.010	.011	.028	.012	.015	.019	.027	.014	.023	.018
Luxembourg.....	.055	.052	.047	.051	.052	.052	.051	.049	.053	.044	.048	.048
Poland.....	.396	.467	.341	.303	.328	.318	.322	.410	.371	.349	.407	.389
Portugal.....	.349	.349	.230	.316	.284	.331	.367	.360	.325	.333	.356	.369
Sweden.....	.378	.320	.271	.288	.469	.437	.314	.310	.290	.368	.429	.233
Switzerland.....	.266	.257	.291	.298	.243	.288	.284	.235	.287	.262	.278	.297
Turkey.....	.637	.736	.437	.653	.562	.485	.537	.525	.597	.716	.611	.722
Japan.....	5.690	5.618	5.957	6.081	6.242	5.458	5.180	4.451	4.808	5.491	5.167	5.239
Korea, South.....	2.391	2.101	2.197	2.498	2.095	2.215	1.811	2.202	2.046	2.014	2.184	2.049
Other OECD.....	.280	.129	.337	.351	.486	.320	.494	.439	.159	.397	.453	.403

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: *Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.5 OECD Imports from OPEC (Most Recent 12 Months)
 (Million Barrels per Day)

	2000					2001						
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total.....	19.761	19.634	19.227	18.900	19.673	18.773	18.377	17.376	17.434	18.514	18.257	18.815
United States ^{1/}	5.212	5.546	5.385	4.975	5.760	5.964	5.938	5.491	5.452	5.205	5.506	5.394
Canada.....	.301	.336	.309	.230	.298	.361	.430	.275	.357	.360	.362	.288
Mexico.....	.073	.095	.095	.041	.044	.065	.009	.080	.027	.072	.010	.033
OECD Europe ^{2/}	6.280	6.328	5.663	5.448	5.698	5.110	5.250	5.002	5.098	5.939	5.455	6.084
Main European Importers												
France.....	.850	1.013	.665	.836	.693	.621	.780	.860	.708	1.139	.821	1.141
Germany ^{3/}.....	.632	.555	.529	.520	.378	.542	.487	.480	.501	.446	.372	.584
Italy.....	1.423	1.398	1.303	1.160	1.272	1.143	1.102	.938	1.135	1.096	1.080	1.160
Spain.....	.869	.896	.929	.663	.870	.626	.693	.743	.692	.800	.687	.970
Netherlands.....	.771	.739	.725	.694	.880	.716	.566	.622	.589	.686	.753	.513
European Net Exporters												
Norway.....	.000	.000	.000	.000	.004	.000	.000	.000	.000	.000	.000	.000
United Kingdom....	.189	.133	.143	.150	.187	.170	.152	.222	.177	.299	.230	.160
Smaller European Importers												
Austria.....	.103	.113	.088	.067	.095	.066	.122	.103	.090	.081	.093	.094
Belgium.....	.270	.350	.295	.249	.248	.204	.257	.159	.236	.231	.246	.243
Czech Republic....	.001	.004	.014	.003	.015	.014	.020	.018	.006	.027	.030	.030
Denmark.....	.025	.026	.031	.026	.024	.025	.036	.034	.049	.043	.037	.025
Finland.....	.000	.000	.000	.000	.000	.000	.012	.000	.000	.000	.000	.000
Greece.....	.340	.273	.333	.293	.306	.268	.265	.211	.262	.244	.382	.295
Hungary.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Poland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.015	.000	.000
Portugal.....	.200	.177	.105	.156	.121	.197	.141	.125	.167	.173	.170	.232
Sweden.....	.142	.097	.081	.089	.143	.083	.134	.162	.027	.160	.039	.041
Switzerland.....	.086	.113	.111	.116	.112	.099	.102	.068	.090	.062	.097	.101
Turkey.....	.378	.444	.313	.426	.351	.336	.380	.258	.368	.437	.418	.495
Japan.....	4.686	4.642	4.876	5.019	5.019	4.415	4.096	3.673	3.954	4.386	4.192	4.359
Korea, South.....	2.556	2.114	2.291	2.620	2.227	2.279	2.026	2.266	1.970	1.947	2.075	1.997
Other OECD.....	.652	.573	.608	.567	.627	.578	.628	.588	.576	.606	.656	.659

^{1/} U.S. geographic coverage is the 50 States and District of Columbia.

^{2/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{3/} The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development; OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.6 OECD Imports from Persian Gulf (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total.....	13.199	12.588	12.579	12.373	13.002	12.207	11.847	11.169	10.990	12.048	12.185	12.136
United States ^{1/}	2.469	2.774	2.436	2.334	2.674	2.861	3.073	2.818	2.716	2.674	3.004	2.838
Canada.....	.181	.066	.193	.077	.183	.167	.130	.061	.186	.162	.170	.085
Mexico.....	.017	.013	.022	.024	.014	.033	.009	.044	.003	.026	.010	.026
OECD Europe ^{2/}	3.428	3.320	2.983	2.643	3.107	2.724	2.729	2.535	2.472	3.235	2.869	3.002
Main European Importers												
France.....	.589	.692	.344	.541	.488	.401	.531	.477	.394	.678	.595	.736
Germany ^{3/}.....	.126	.106	.101	.059	.046	.076	.110	.078	.136	.095	.105	.075
Italy.....	.627	.580	.593	.395	.626	.488	.424	.405	.469	.478	.545	.482
Spain.....	.350	.265	.340	.190	.345	.264	.290	.236	.237	.327	.161	.368
Netherlands.....	.623	.462	.588	.445	.613	.558	.344	.437	.360	.505	.446	.351
European Net Exporters												
United Kingdom....	.105	.094	.099	.109	.089	.105	.114	.168	.112	.137	.112	.055
Smaller European Importers												
Austria.....	.042	.045	.017	.002	.020	.034	.040	.053	.030	.039	.035	.042
Belgium.....	.230	.344	.265	.223	.205	.183	.241	.106	.197	.203	.207	.233
Czech Republic....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Denmark.....	.006	.013	.013	.004	.000	.013	.011	.019	.018	.000	.012	.000
Finland.....	.000	.000	.000	.000	.000	.000	.012	.009	.000	.000	.000	.000
Greece.....	.290	.240	.286	.279	.292	.219	.249	.207	.226	.231	.341	.285
Hungary.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Poland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Portugal.....	.078	.148	.040	.091	.031	.094	.052	.066	.061	.067	.022	.062
Sweden.....	.135	.067	.067	.074	.135	.069	.064	.134	.000	.133	.013	.000
Switzerland.....	.007	.000	.000	.010	.009	.015	.004	.005	.009	.018	.010	.009
Turkey.....	.220	.262	.231	.222	.207	.206	.240	.135	.223	.322	.266	.303
Japan.....	4.404	4.252	4.674	4.712	4.783	4.191	3.789	3.391	3.601	3.929	3.918	4.052
Korea, South.....	2.383	1.950	2.091	2.410	2.002	2.054	1.836	2.029	1.820	1.780	1.862	1.838
Other OECD.....	.317	.213	.180	.173	.238	.178	.282	.291	.192	.242	.352	.295

^{1/} U.S. geographic coverage is the 50 States and District of Columbia.

^{2/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{3/} The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •"Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.7 United States--Net Oil Imports (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total Net Imports..	10.201	10.958	11.154	10.447	10.996	11.361	11.130	10.501	10.690	10.234	10.659	10.191
Imports from OPEC ¹ /	5.212	5.546	5.385	4.975	5.760	5.964	5.938	5.491	5.452	5.205	5.506	5.394
Imports from Persian Gulf ² /												
Total.....	2.469	2.774	2.436	2.334	2.674	2.861	3.073	2.818	2.716	2.674	3.004	2.838
Bahrain.....	.000	-.003	.000	.000	.000	.000	-.003	.000	.000	-.003	.000	.000
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.585	.528	.294	.236	.566	.862	.973	.740	.697	.562	1.192	1.166
Kuwait.....	.248	.344	.242	.280	.302	.242	.251	.255	.287	.256	.243	.221
U.A.E.....	.006	.005	.135	.041	.001	.081	.052	.023	.010	.023	.079	.013
Qatar.....	.015	.003	.007	.000	.020	.019	.030	.023	.011	.010	.014	.006
Saudi Arabia.....	1.615	1.897	1.758	1.777	1.785	1.657	1.770	1.777	1.711	1.826	1.476	1.432
Imports from OPEC-Africa												
Total.....	1.063	.925	1.159	1.115	1.260	1.448	1.326	1.030	1.037	.962	1.207	1.053
Algeria.....	.212	.240	.286	.223	.279	.326	.379	.265	.190	.243	.200	.269
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.851	.685	.873	.892	.981	1.122	.947	.765	.847	.719	1.007	.784
Imports from OPEC-South America												
Total.....	1.624	1.752	1.742	1.453	1.755	1.597	1.458	1.588	1.671	1.528	1.269	1.464
Venezuela.....	1.624	1.752	1.742	1.453	1.755	1.597	1.458	1.588	1.671	1.528	1.269	1.464
Imports from OPEC-Far East												
Total.....	.056	.092	.048	.073	.071	.058	.078	.055	.028	.038	.026	.039
Indonesia.....	.056	.092	.048	.073	.071	.058	.078	.055	.028	.038	.026	.039

¹/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

²/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •U.S. geographic coverage is the 50 States and District of Columbia. •Negative numbers represent net exports. •A dash (-) indicates no trade.

•Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.8 Japan--Net Oil Imports (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total Net Imports..	5.690	5.618	5.957	6.081	6.242	5.458	5.180	4.451	4.808	5.491	5.167	5.239
Imports from OPEC ¹ /	4.686	4.642	4.876	5.019	5.019	4.415	4.096	3.673	3.954	4.386	4.192	4.359
Imports from Persian Gulf ² /												
Total.....	4.404	4.252	4.674	4.712	4.783	4.191	3.789	3.391	3.601	3.929	3.918	4.052
Bahrain.....	.008	.000	.021	.008	.015	.024	.008	.008	.014	.008	.033	.000
Iran.....	.660	.351	.652	.598	.549	.612	.555	.445	.505	.586	.625	.459
Iraq.....	.205	.110	.000	.000	.000	.000	.000	.000	.000	.000	.000	.064
Kuwait.....	.535	.655	.595	.709	.640	.466	.580	.450	.501	.438	.469	.611
U.A.E.....	1.321	1.325	1.450	1.536	1.482	1.297	1.128	.945	1.039	1.189	1.171	1.138
Qatar.....	.382	.447	.557	.537	.496	.554	.353	.379	.411	.563	.485	.535
Saudi Arabia.....	1.293	1.363	1.399	1.323	1.601	1.238	1.165	1.164	1.131	1.145	1.135	1.245
Imports from OPEC-Africa												
Total.....	.063	.061	.000	.000	.000	.010	.000	.000	.024	.086	.020	.064
Algeria.....	.000	.000	.000	.000	.000	.010	.000	.000	.024	.025	.020	.000
Nigeria.....	.063	.061	.000	.000	.000	.000	.000	.000	.000	.061	.000	.064
Imports from OPEC-South America												
Total.....	.019	.000	.020	.021	.000	.022	.019	.020	.020	.019	.022	.021
Venezuela.....	.019	.000	.020	.021	.000	.022	.019	.020	.020	.019	.022	.021
Imports from OPEC-Far East												
Total.....	.207	.329	.203	.295	.251	.216	.295	.271	.323	.360	.265	.221
Indonesia.....	.207	.329	.203	.295	.251	.216	.295	.271	.323	.360	.265	.221

¹/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

²/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.9 OECD Europe--Net Oil Imports (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total Net Imports..	8.284	8.499	7.106	8.089	7.888	6.865	7.707	8.262	7.722	9.128	8.586	8.203
Imports from OPEC ^{1/}	6.280	6.328	5.663	5.448	5.698	5.110	5.250	5.002	5.098	5.939	5.455	6.084
Imports from Persian Gulf ^{2/}												
Total.....	3.428	3.320	2.983	2.643	3.107	2.724	2.729	2.535	2.472	3.235	2.869	3.002
Bahrain.....	.006	.012	.024	.024	.008	.025	.001	.018	.015	.021	.015	.000
Iran.....	.616	.890	1.043	.598	.953	.557	.810	.598	.716	.872	.642	.811
Iraq.....	.985	.409	.068	.316	.407	.665	.617	.240	.245	.644	.574	.681
Kuwait.....	.352	.184	.321	.233	.287	.192	.126	.165	.185	.230	.299	.157
U.A.E.....	.032	.029	.067	.054	.028	.044	.080	.116	.043	.076	.042	.020
Qatar.....	.000	.008	.000	.000	.005	.000	.000	.000	.000	.000	.000	.001
Saudi Arabia.....	1.437	1.788	1.459	1.418	1.420	1.240	1.095	1.398	1.267	1.391	1.297	1.332
Imports from OPEC-Africa												
Total.....	2.685	2.856	2.496	2.635	2.433	2.230	2.319	2.280	2.454	2.464	2.341	2.742
Algeria.....	.702	.956	.642	.821	.686	.573	.607	.766	.939	.803	.818	.832
Libya.....	1.352	1.272	1.217	1.317	1.155	1.273	1.205	1.159	1.103	1.138	1.049	1.205
Nigeria.....	.631	.628	.636	.496	.592	.384	.507	.355	.412	.523	.475	.704
Imports from OPEC-South America												
Total.....	.165	.163	.204	.174	.165	.180	.187	.203	.186	.255	.259	.326
Venezuela.....	.165	.163	.204	.174	.165	.180	.187	.203	.186	.255	.259	.326
Imports from OPEC-Far East												
Total.....	.008	.001	.004	.020	.001	.001	.016	.002	.001	.007	.001	.014
Indonesia.....	.008	.001	.004	.020	.001	.001	.016	.002	.001	.007	.001	.014

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •"OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.10 France--Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	2000						2001					
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total Net Imports..	1.922	1.900	1.799	1.953	1.786	1.685	1.771	1.962	1.725	2.069	1.773	2.153
Imports from OPEC ¹ /	.850	1.013	.665	.836	.693	.621	.780	.860	.708	1.139	.821	1.141
Imports from Persian Gulf ² /												
Total.....	.589	.692	.344	.541	.488	.401	.531	.477	.394	.678	.595	.736
Bahrain.....	.000	.000	.017	.010	.008	.000	.001	.000	.001	.012	.000	.000
Iran.....	.053	.098	.032	.034	.089	.079	.059	.052	.111	.095	.095	.169
Iraq.....	.155	.162	.005	.141	.065	.068	.193	.036	.000	.195	.136	.171
Kuwait.....	.069	.006	.000	.005	.039	.017	.008	.063	.016	.088	.061	.000
U.A.E.....	.000	.007	.035	.000	.003	.007	.028	.045	.008	.046	.009	.010
Qatar.....	.000	.000	.000	.000	.005	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.312	.419	.255	.351	.279	.231	.242	.281	.258	.241	.294	.386
Imports from OPEC-Africa												
Total.....	.253	.318	.315	.302	.202	.218	.247	.380	.312	.472	.224	.401
Algeria.....	.075	.117	.118	.147	.108	.082	.052	.215	.186	.237	.084	.178
Libya.....	.058	.020	.069	.051	.042	.048	.082	.097	.065	.084	.103	.083
Nigeria.....	.120	.181	.129	.105	.053	.088	.114	.068	.061	.151	.037	.140
Imports from OPEC-South America												
Total.....	.000	.002	.022	.001	.010	.000	.001	.001	.001	.000	.002	.003
Venezuela.....	.000	.002	.022	.001	.010	.000	.001	.001	.001	.000	.002	.003
Imports from OPEC-Far East												
Total.....	.008	.001	.001	.001	.001	.001	.001	.002	.001	.001	.001	.001
Indonesia.....	.008	.001	.001	.001	.001	.001	.001	.002	.001	.001	.001	.001

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.11 Germany--Net Oil Imports (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total Net Imports..	2.625	2.631	2.640	2.627	2.351	2.589	2.553	2.453	2.822	2.837	2.596	2.852
Imports from OPEC ¹ /	.632	.555	.529	.520	.378	.542	.487	.480	.501	.446	.372	.584
Imports from Persian Gulf ² /												
Total.....	.126	.106	.101	.059	.046	.076	.110	.078	.136	.095	.105	.075
Iran.....	.006	.000	.004	.000	.005	.000	.017	.000	.016	.000	.017	.000
Iraq.....	.005	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.011	.006	.005	.000	.000	.000	.015	.000	.000	.005	.000	.000
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.104	.101	.092	.059	.040	.076	.078	.078	.119	.090	.087	.075
Imports from OPEC-Africa												
Total.....	.491	.419	.385	.444	.320	.429	.347	.372	.329	.320	.228	.469
Algeria.....	.128	.170	.077	.134	.057	.120	.067	.112	.127	.072	.049	.139
Libya.....	.284	.212	.261	.276	.242	.266	.181	.207	.150	.209	.130	.177
Nigeria.....	.080	.038	.047	.034	.020	.043	.100	.053	.053	.039	.049	.153
Imports from OPEC-South America												
Total.....	.015	.029	.043	.017	.013	.038	.030	.030	.036	.030	.040	.039
Venezuela.....	.015	.029	.043	.017	.013	.038	.030	.030	.036	.030	.040	.039
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

¹/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

²/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: *Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.12 Italy--Net Oil Imports (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total Net Imports..	1.775	1.792	1.869	1.599	1.640	1.657	1.556	1.414	1.715	1.841	1.813	1.743
Imports from OPEC ^{1/}	1.423	1.398	1.303	1.160	1.272	1.143	1.102	.938	1.135	1.096	1.080	1.160
Imports from Persian Gulf ^{2/}												
Total.....	.627	.580	.593	.395	.626	.488	.424	.405	.469	.478	.545	.482
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.000	.000
Iran.....	.267	.202	.288	.099	.301	.179	.226	.181	.257	.200	.206	.151
Iraq.....	.192	.065	.000	.107	.130	.075	.074	.036	.033	.052	.105	.129
Kuwait.....	.031	.000	.062	.034	.030	.031	.000	.000	.000	.000	.063	.000
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.137	.313	.244	.155	.165	.203	.124	.188	.179	.222	.171	.203
Imports from OPEC-Africa												
Total.....	.778	.804	.694	.756	.646	.644	.678	.507	.659	.605	.536	.667
Algeria.....	.104	.180	.108	.143	.096	.102	.152	.042	.136	.076	.088	.161
Libya.....	.611	.577	.521	.534	.514	.520	.526	.465	.523	.498	.417	.507
Nigeria.....	.063	.047	.065	.079	.037	.022	.000	.000	.000	.031	.031	.000
Imports from OPEC-South America												
Total.....	.018	.014	.016	.008	.000	.012	.000	.026	.007	.017	.000	.011
Venezuela.....	.018	.014	.016	.008	.000	.012	.000	.026	.007	.017	.000	.011
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.13 Korea, South -- Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	2000						2001					
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total Net Imports..	2.391	2.101	2.197	2.498	2.095	2.215	1.811	2.202	2.046	2.014	2.184	2.049
Imports from OPEC ¹ /	2.556	2.114	2.291	2.620	2.227	2.279	2.026	2.266	1.970	1.947	2.075	1.997
Imports from Persian Gulf ² /												
Total.....	2.383	1.950	2.091	2.410	2.002	2.054	1.836	2.029	1.820	1.780	1.862	1.838
Bahrain.....	.000	.008	.010	.000	.001	.000	.000	.025	.024	.000	.000	.016
Iran.....	.341	.241	.282	.208	.242	.249	.247	.292	.152	.226	.203	.251
Iraq.....	.100	.068	.000	.040	.000	.071	.000	.000	.000	.000	.000	.000
Kuwait.....	.364	.193	.282	.308	.281	.207	.254	.278	.353	.293	.252	.313
U.A.E.....	.481	.519	.404	.602	.616	.447	.358	.535	.435	.463	.459	.438
Qatar.....	.218	.142	.144	.283	.159	.207	.108	.176	.106	.061	.085	.066
Saudi Arabia.....	.878	.779	.968	.969	.703	.873	.869	.722	.749	.737	.863	.754
Imports from OPEC-Africa												
Total.....	.063	.060	.029	.000	.013	.022	.049	.049	.017	.017	.035	.025
Algeria.....	.000	.000	.000	.000	.000	.009	.008	.018	.017	.017	.027	.014
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.063	.060	.029	.000	.013	.013	.041	.031	.000	.000	.009	.011
Imports from OPEC-South America												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.015
Venezuela.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.015
Imports from OPEC-Far East												
Total.....	.110	.112	.181	.210	.213	.204	.141	.213	.157	.150	.168	.135
Indonesia.....	.110	.112	.181	.210	.213	.204	.141	.213	.157	.150	.168	.135

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.14 OECD Imports from Iraq (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total.....	2.041	1.133	0.524	0.676	1.183	1.767	1.751	1.102	1.108	1.322	1.969	2.033
United States ^{1/}.....	.585	.528	.294	.236	.566	.862	.973	.740	.697	.562	1.192	1.166
Canada.....	.111	.000	.119	.077	.115	.098	.062	.061	.113	.063	.081	.018
OECD Europe ^{2/}.....	.985	.409	.068	.316	.407	.665	.617	.240	.245	.644	.574	.681
Main European Importers												
France.....	.155	.162	.005	.141	.065	.068	.193	.036	.000	.195	.136	.171
Germany ^{3/}.....	.005	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Italy.....	.192	.065	.000	.107	.130	.075	.074	.036	.033	.052	.105	.129
Spain.....	.121	.000	.000	.000	.067	.170	.065	.000	.032	.112	.033	.098
Netherlands.....	.176	.013	.005	.011	.075	.226	.095	.092	.072	.098	.103	.130
Smaller European Importers												
Austria.....	.028	.045	.017	.002	.000	.023	.015	.041	.022	.004	.026	.019
Belgium.....	.096	.032	.042	.013	.000	.050	.071	.035	.022	.000	.010	.000
Czech Republic.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Greece.....	.068	.036	.000	.041	.051	.033	.033	.000	.000	.032	.054	.000
Hungary.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Portugal.....	.033	.031	.000	.000	.000	.000	.033	.000	.000	.000	.000	.000
Sweden.....	.067	.000	.000	.000	.000	.000	.000	.000	.000	.000	.013	.000
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.044	.024	.000	.000	.019	.021	.039	.000	.064	.151	.093	.135
Japan.....	.205	.110	.000	.000	.000	.000	.000	.000	.000	.000	.000	.064
Korea, South.....	.100	.068	.000	.040	.000	.071	.000	.000	.000	.000	.000	.000
Other OECD.....	.054	.017	.043	.008	.096	.072	.099	.061	.053	.053	.123	.105

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.15 OECD Imports from Kuwait (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct
Total.....	1.500	1.387	1.438	1.545	1.513	1.119	1.219	1.150	1.335	1.229	1.269	1.333
United States ^{1/}.....	.248	.344	.242	.280	.302	.242	.251	.255	.287	.256	.243	.221
Canada.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.010	.005	.000
OECD Europe ^{2/}.....	.352	.184	.321	.233	.287	.192	.126	.165	.185	.230	.299	.157
Main European Importers												
France.....	.069	.006	.000	.005	.039	.017	.008	.063	.016	.088	.061	.000
Germany ^{3/}.....	.011	.006	.005	.000	.000	.000	.015	.000	.000	.005	.000	.000
Italy.....	.031	.000	.062	.034	.030	.031	.000	.000	.000	.000	.063	.000
Spain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000
Netherlands.....	.226	.147	.191	.145	.192	.117	.063	.074	.138	.099	.135	.090
European Net Exporters												
United Kingdom....	.008	.015	.018	.018	.010	.011	.027	.018	.031	.021	.019	.010
Smaller European Importers												
Belgium.....	.000	.000	.016	.000	.000	.000	.000	.000	.000	.000	.000	.036
Denmark.....	.000	.000	.006	.004	.000	.000	.000	.009	.000	.000	.012	.000
Finland.....	.000	.000	.000	.000	.000	.000	.012	.000	.000	.000	.000	.000
Greece.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.005	.010	.022	.027	.016	.016	.000	.000	.000	.015	.010	.021
Japan.....	.535	.655	.595	.709	.640	.466	.580	.450	.501	.438	.469	.611
Korea, South.....	.364	.193	.282	.308	.281	.207	.254	.278	.353	.293	.252	.313
Other OECD.....	.002	.011	-.002	.015	.003	.012	.008	.002	.009	.002	.001	.031

^{1/} U.S. geographic coverage is the 50 States and District of Columbia.

^{2/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{3/} The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: *Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Sources for Section 3 (International Oil Imports)

Oil Imports

United States: • Energy Information Administration (EIA), Petroleum Supply Annual 2000 and Petroleum Supply Monthly, January 2002. Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Monthly Oil Statistics data base, 2000-2001.

**4. Historical Oil Data Series
1970-2000**

Table 4.1a World Crude Oil Production (Including Lease Condensate), 1970-2000
 (Thousand Barrels per Day)

	Algeria	Indo-nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene-zuela	Total OPEC
1970 Average.....	1,029	854	3,829	1,549	2,990	3,318	1,083	362	3,799	780	3,708	23,301
1971 Average.....	785	892	4,540	1,694	3,197	2,761	1,531	431	4,769	1,060	3,549	25,209
1972 Average.....	1,062	1,081	5,023	1,466	3,283	2,239	1,816	482	6,016	1,203	3,220	26,891
1973 Average.....	1,097	1,339	5,861	2,018	3,020	2,175	2,054	570	7,596	1,533	3,366	30,629
1974 Average.....	1,009	1,375	6,022	1,971	2,546	1,521	2,255	518	8,480	1,679	2,976	30,351
1975 Average.....	983	1,307	5,350	2,262	2,084	1,480	1,783	438	7,075	1,664	2,346	26,771
1976 Average.....	1,075	1,504	5,883	2,415	2,145	1,933	2,067	497	8,577	1,936	2,294	30,327
1977 Average.....	1,152	1,686	5,663	2,348	1,969	2,063	2,085	445	9,245	1,999	2,238	30,893
1978 Average.....	1,231	1,635	5,242	2,563	2,131	1,983	1,897	487	8,301	1,831	2,165	29,464
1979 Average.....	1,224	1,591	3,168	3,477	2,500	2,092	2,302	508	9,532	1,831	2,356	30,581
1980 Average.....	1,106	1,577	1,662	2,514	1,656	1,787	2,055	472	9,900	1,709	2,168	26,606
1981 Average.....	1,002	1,605	1,380	1,000	1,125	1,140	1,433	405	9,815	1,474	2,102	22,481
1982 Average.....	987	1,339	2,214	1,012	823	1,150	1,295	330	6,483	1,250	1,895	18,778
1983 Average.....	968	1,343	2,440	1,005	1,064	1,105	1,241	295	5,086	1,149	1,801	17,497
1984 Average.....	1,014	1,412	2,174	1,209	1,157	1,087	1,388	394	4,663	1,146	1,798	17,442
1985 Average.....	1,037	1,325	2,250	1,433	1,023	1,059	1,495	301	3,388	1,193	1,677	16,181
1986 Average.....	945	1,390	2,035	1,690	1,419	1,034	1,467	308	4,870	1,330	1,787	18,275
1987 Average.....	1,048	1,343	2,298	2,079	1,585	972	1,341	293	4,265	1,541	1,752	18,517
1988 Average.....	1,040	1,342	2,240	2,685	1,492	1,175	1,450	346	5,086	1,565	1,903	20,324
1989 Average.....	1,095	1,409	2,810	2,897	1,783	1,150	1,716	380	5,064	1,860	1,907	22,071
1990 Average.....	1,175	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,195
1991 Average.....	1,230	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,275
1992 Average.....	1,214	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	24,398
1993 Average.....	1,162	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	25,119
1994 Average.....	1,180	1,510	3,618	553	2,025	1,378	1,931	415	8,120	2,193	2,588	25,510
1995 Average.....	1,202	1,503	3,643	560	2,057	1,390	1,993	442	8,231	2,233	2,750	26,004
1996 Average.....	1,242	1,547	3,686	579	2,062	1,401	2,001	510	8,218	2,278	2,938	26,461
1997 Average	1,277	1,520	3,664	1,155	2,007	1,446	2,132	550	8,362	2,316	3,280	27,710
1998 Average	1,246	1,518	3,634	2,150	2,085	1,390	2,153	696	8,389	2,345	3,167	28,774
1999 Average	1,202	1,472	3,557	2,508	1,898	1,319	2,130	665	7,833	2,169	2,826	27,579
2000 Average P.....	1,239	1,466	3,719	2,571	2,126	1,410	2,144	737	8,404	2,348	2,949	29,113

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1970 through July 1990 and beginning again in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

P=Preliminary.

Notes: •OPEC=Organization of Petroleum Exporting Countries.

Sources: See end of Section 4.

Table 4.1b World Crude Oil Production (Including Lease Condensate), 1970-2000
 (Thousand Barrels per Day)

	Norway	United Kingdom	North Seal/ 1/	Angola	Argen-tina	Austra- lia	Brazil	Canada	China	Colombia	Ecuador
1970 Average.....	0	2	0	112	393	178	167	1,263	600	219	4
1971 Average.....	6	2	6	93	423	309	174	1,348	780	214	4
1972 Average.....	33	2	35	140	433	327	167	1,532	900	196	78
1973 Average.....	32	2	36	162	420	369	169	1,798	1,090	184	209
1974 Average.....	35	2	38	169	414	388	176	1,551	1,315	168	177
1975 Average.....	189	12	202	165	395	409	177	1,430	1,490	157	161
1976 Average.....	279	245	525	108	398	426	167	1,314	1,670	146	188
1977 Average.....	280	768	1,055	194	431	431	161	1,321	1,874	138	183
1978 Average.....	356	1,082	1,446	131	453	432	160	1,316	2,082	131	202
1979 Average.....	403	1,568	1,976	147	473	441	166	1,500	2,122	124	214
1980 Average.....	528	1,622	2,151	150	491	380	182	1,435	2,114	126	204
1981 Average.....	501	1,811	2,322	130	496	394	213	1,285	2,012	125	211
1982 Average.....	520	2,065	2,617	122	491	370	260	1,271	2,045	141	211
1983 Average.....	614	2,291	2,965	177	491	416	339	1,356	2,120	152	237
1984 Average.....	697	2,480	3,250	208	478	492	475	1,438	2,296	168	258
1985 Average.....	788	2,530	3,417	231	460	575	564	1,471	2,505	176	281
1986 Average.....	870	2,539	3,547	282	434	520	572	1,474	2,620	305	293
1987 Average.....	1,022	2,406	3,584	360	428	547	566	1,535	2,690	385	174
1988 Average.....	1,158	2,232	3,540	452	449	538	554	1,616	2,730	378	302
1989 Average.....	1,554	1,802	3,515	455	460	490	596	1,560	2,757	403	279
1990 Average.....	1,704	1,820	3,667	475	483	575	631	1,553	2,774	440	285
1991 Average.....	1,890	1,797	3,811	500	485	545	630	1,548	2,835	419	299
1992 Average.....	2,229	1,825	4,182	526	553	535	626	1,605	2,845	433	321
1993 Average.....	2,350	1,915	4,403	509	594	503	643	1,679	2,890	456	344
1994 Average.....	2,521	2,375	5,058	536	650	536	671	1,746	2,939	450	365
1995 Average.....	2,768	2,489	5,400	646	715	562	695	1,805	2,990	585	392
1996 Average.....	3,104	2,568	5,822	709	756	570	795	1,837	3,131	623	396
1997 Average	3,143	2,518	5,830	714	834	588	841	1,922	3,200	652	388
1998 Average	3,017	2,616	5,806	735	847	544	969	1,981	3,198	733	375
1999 Average	3,018	2,684	5,958	766	802	539	1,132	1,907	3,195	816	373
2000 Average P.....	3,197	2,475	6,013	746	761	722	1,212	1,977	3,249	691	395

1/ North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.

P=Preliminary.

Sources: See end of Section 4.

Table 4.1c World Crude Oil Production (Including Lease Condensate), 1970-2000
 (Thousand Barrels per Day)

	Egypt	Gabon	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other ^{1/}	World
1970 Average.....	326	109	144	18	487	332	--	6,985	80	9,637	1,529	45,886
1971 Average.....	293	115	143	69	486	294	--	7,475	100	9,463	1,518	48,518
1972 Average.....	231	125	156	93	505	282	--	7,890	124	9,441	1,592	51,138
1973 Average.....	165	150	147	91	465	293	--	8,324	105	9,208	1,667	55,679
1974 Average.....	150	202	156	81	571	290	--	8,912	124	8,774	1,711	55,716
1975 Average.....	235	223	165	98	705	343	--	9,523	170	8,375	1,636	52,828
1976 Average.....	330	223	175	165	831	366	--	10,060	175	8,132	1,620	57,344
1977 Average.....	415	222	199	184	981	341	--	10,603	188	8,245	1,655	59,707
1978 Average.....	485	209	226	217	1,209	315	--	11,105	170	8,707	1,706	60,158
1979 Average.....	525	203	245	283	1,461	295	--	11,384	166	8,552	1,821	62,674
1980 Average.....	595	175	182	283	1,936	282	--	11,706	164	8,597	1,842	59,600
1981 Average.....	598	151	325	264	2,313	319	--	11,850	166	8,572	1,859	56,076
1982 Average.....	670	156	390	306	2,748	324	--	11,912	160	8,649	1,892	53,481
1983 Average.....	727	157	480	365	2,689	375	--	11,972	167	8,688	1,946	53,256
1984 Average.....	822	157	519	440	2,780	414	--	11,861	170	8,879	2,015	54,489
1985 Average.....	887	172	620	440	2,745	498	--	11,585	178	8,971	2,124	53,982
1986 Average.....	813	166	630	504	2,435	560	--	11,895	194	8,680	2,166	56,227
1987 Average.....	896	155	609	497	2,548	582	--	12,050	230	8,349	2,120	56,666
1988 Average.....	848	159	635	540	2,512	617	--	12,053	265	8,140	2,235	58,737
1989 Average.....	865	208	700	585	2,520	641	--	11,715	340	7,613	2,249	59,863
1990 Average.....	873	270	660	619	2,553	685	--	10,975	388	7,355	2,253	60,566
1991 Average.....	874	294	615	646	2,680	700	--	9,992	492	7,417	2,274	60,207
1992 Average.....	881	298	561	653	2,669	740	7,632	--	481	7,171	3,229	60,213
1993 Average.....	890	313	534	640	2,673	776	6,730	--	554	6,847	3,279	60,236
1994 Average.....	896	329	590	645	2,685	810	6,135	--	560	6,662	3,380	60,991
1995 Average.....	920	365	703	682	2,618	851	5,995	--	575	6,560	3,414	62,335
1996 Average.....	922	368	651	695	2,855	883	5,850	--	582	6,465	3,490	63,711
1997 Average	856	370	675	700	3,023	904	5,920	--	561	6,452	3,719	65,690
1998 Average	834	352	661	720	3,070	900	5,854	--	553	6,252	3,936	66,921
1999 Average	852	340	653	693	2,906	887	6,079	--	538	5,881	4,231	65,870
2000 Average P....	710	330	646	690	3,012	940	6,479	--	523	5,822	4,511	68,200

^{1/} Other is a calculated total derived from the difference between "World" and the sum of production in "Total OPEC" (Table 1.1a) and all other countries listed (Tables 1.1b and 1.1c). The total "North Sea" is not subtracted from the world total, though Norway and the United Kingdom have been subtracted.

-- = Not applicable. P=Preliminary.

Sources: See end of Section 4.

Table 4.2 OPEC Crude Oil Production (Excluding Condensate), 1980-2000
 (Thousands Barrels per Day)

	Algeria	Indo-nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene-zuela	Total OPEC
1980 Average...	1,006	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	26,390
1981 Average...	802	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	22,155
1982 Average...	712	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,215	1,878	18,349
1983 Average...	648	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,109	1,768	16,996
1984 Average...	694	1,279	2,174	1,209	1,157	1,087	1,368	394	4,663	1,091	1,689	16,805
1985 Average...	702	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,503
1986 Average...	600	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,575
1987 Average...	648	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,648
1988 Average...	640	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,421
1989 Average...	690	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,201
1990 Average...	765	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,100	22,461
1991 Average...	800	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,506
1992 Average...	772	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	23,558
1993 Average...	747	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	24,304
1994 Average...	750	1,334	3,583	548	2,025	1,378	1,821	380	8,120	2,113	2,542	24,594
1995 Average...	767	1,343	3,608	555	2,057	1,390	1,878	407	8,231	2,148	2,710	25,094
1996 Average...	812	1,367	3,651	574	2,062	1,401	1,885	475	8,218	2,198	2,898	25,541
1997 Average...	847	1,355	3,629	1,150	2,007	1,446	2,017	515	8,362	2,236	3,240	26,804
1998 Average...	816	1,338	3,599	2,145	2,085	1,390	2,043	661	8,389	2,265	3,127	27,858
1999 Average ..	772	1,324	3,522	2,503	1,898	1,319	2,020	630	7,833	2,089	2,776	26,686
2000 Average P.	809	1,286	3,684	2,566	2,126	1,410	2,034	702	8,404	2,268	2,899	28,188

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning again in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

P=Preliminary.

Note: OPEC=Organization of Petroleum Exporting Countries. See Appendix A for Countries in this group.

Sources: See end of Section 4.

Table 4.3 World Natural Gas Plant Liquids Production, 1970-2000
 (Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Russia	Former USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1970 Average.....	3	200	58	50	--	120	1,660	119	137	205	2,383
1971 Average.....	4	234	59	50	--	135	1,693	138	147	243	2,508
1972 Average.....	4	293	61	55	--	155	1,744	155	159	275	2,676
1973 Average.....	9	314	75	90	--	170	1,738	191	196	324	2,785
1974 Average.....	12	314	80	130	--	190	1,688	231	219	347	2,789
1975 Average.....	20	309	80	140	--	205	1,633	246	252	372	2,790
1976 Average.....	24	289	95	185	--	220	1,603	291	313	442	2,865
1977 Average.....	19	290	105	215	--	235	1,618	335	366	482	2,982
1978 Average.....	25	281	115	250	--	255	1,567	410	447	566	3,078
1979 Average.....	30	331	150	303	--	270	1,584	458	535	637	3,285
1980 Average.....	36	331	193	369	--	285	1,573	534	618	732	3,444
1981 Average.....	49	330	241	433	--	300	1,609	599	691	825	3,625
1982 Average.....	58	318	255	430	--	315	1,550	612	721	842	3,626
1983 Average.....	56	309	265	330	--	330	1,559	552	655	780	3,635
1984 Average.....	105	336	257	355	--	340	1,630	604	761	869	3,869
1985 Average.....	120	337	271	375	--	350	1,609	645	808	892	3,938
1986 Average.....	120	328	352	385	--	440	1,551	700	860	969	4,150
1987 Average.....	140	367	338	418	--	430	1,595	721	900	1,006	4,279
1988 Average.....	120	381	370	499	--	450	1,625	808	979	1,077	4,481
1989 Average.....	130	410	384	503	--	425	1,546	851	1,041	1,188	4,502
1990 Average.....	130	426	428	620	--	425	1,559	930	1,107	1,281	4,632
1991 Average.....	140	431	457	680	--	420	1,659	931	1,113	1,299	4,827
1992 Average.....	140	460	454	713	230	--	1,697	1,003	1,185	1,364	4,974
1993 Average.....	145	506	459	704	220	--	1,736	1,040	1,238	1,435	5,180
1994 Average.....	140	529	461	698	200	--	1,727	1,071	1,267	1,465	5,292
1995 Average.....	145	581	447	701	180	--	1,762	1,106	1,301	1,506	5,485
1996 Average.....	150	596	423	697	185	--	1,830	1,082	1,295	1,501	5,576
1997 Average.....	160	636	388	712	195	--	1,817	1,152	1,384	1,589	5,721
1998 Average.....	155	651	424	755	220	--	1,759	1,225	1,449	1,662	5,874
1999 Average.....	190	653	439	666	231	--	1,850	1,152	1,411	1,648	5,984
2000 Average P....	190	699	438	706	232	--	1,911	1,206	1,463	1,706	6,168

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia.

^{2/} See Appendix A for countries in this group.

^{3/} OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in these groups.

P=Preliminary.

Sources: See end of Section 4.

Table 4.4 World Oil Supply, 1970-2000
 (Thousand Barrels per Day)

	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1970 Average.....	11,673	13,541	14,571	23,567	48,986
1971 Average.....	11,554	15,940	15,427	25,514	51,766
1972 Average.....	11,601	17,734	16,451	27,228	54,574
1973 Average.....	11,428	20,895	18,656	31,015	59,300
1974 Average.....	10,978	21,550	18,399	30,762	59,391
1975 Average.....	10,505	19,223	16,831	27,218	56,511
1976 Average.....	10,251	21,847	19,563	30,841	61,121
1977 Average.....	10,437	22,098	20,372	31,443	63,665
1978 Average.....	10,820	21,067	19,819	30,120	64,225
1979 Average.....	10,707	21,569	22,575	31,300	66,973
1980 Average.....	10,809	18,541	20,715	27,419	64,139
1981 Average.....	10,739	15,894	17,619	23,393	60,746
1982 Average.....	10,783	12,815	13,786	19,702	58,215
1983 Average.....	10,788	11,676	12,416	18,352	58,046
1984 Average.....	11,107	11,433	12,619	18,389	59,638
1985 Average.....	11,192	10,320	11,498	17,151	59,249
1986 Average.....	10,905	12,441	13,653	19,310	61,758
1987 Average.....	10,648	12,869	13,992	19,589	62,418
1988 Average.....	10,473	14,310	15,662	21,465	64,690
1989 Average.....	9,880	15,733	16,658	23,323	65,877
1990 Average.....	9,677	16,249	17,232	24,536	66,743
1991 Average.....	9,883	15,704	16,747	24,625	66,617
1992 Average.....	9,768	17,010	17,871	25,818	66,941
1993 Average.....	9,602	17,792	18,505	26,610	67,335
1994 Average.....	9,413	18,072	18,745	27,031	68,246
1995 Average.....	9,400	18,351	19,069	27,566	69,868
1996 Average.....	9,445	18,486	19,237	28,018	71,397
1997 Average.....	9,461	19,284	20,067	29,355	73,658
1998 Average.....	9,278	20,599	21,282	30,492	75,124
1999 Average.....	8,993	19,856	20,542	29,283	74,184
2000 Average P.....	9,058	21,183	21,672	30,874	76,858

1/ U.S. geographic coverage is the 50 States and the District of Columbia.

2/ See Appendix A for countries in this group.

3/ OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in these groups.

P=Preliminary.

Note: Oil Supply includes crude oil, natural gas plant liquids, other liquids, and refinery processing gain.

See Explanatory Note 1 in Appendix B.

Sources: See end of Section 4.

Table 4.5 Oil Stocks in OECD Countries, End of Year
(Million Barrels)

		France	Germany ^{1/}	Italy	United Kingdom	OECD Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}	Total OECD
1973	December.....	201	181	152	156	1,070	140	303	NA	1,008	67	2,588
1974	December.....	249	213	167	191	1,227	145	370	NA	1,074	64	2,880
1975	December.....	225	187	143	165	1,154	174	375	NA	1,133	67	2,903
1976	December.....	234	208	143	165	1,205	153	380	NA	1,112	68	2,918
1977	December.....	239	225	161	148	1,268	167	409	NA	1,312	68	3,224
1978	December.....	201	238	154	157	1,219	144	413	NA	1,278	68	3,122
1979	December.....	226	272	163	169	1,353	150	460	NA	1,341	75	3,379
1980	December.....	243	319	170	168	1,464	164	495	NA	1,392	72	3,587
1981	December.....	214	297	167	143	1,337	161	482	NA	1,484	67	3,531
1982	December.....	193	272	179	125	1,258	136	484	NA	1,430	68	3,376
1983	December.....	153	249	149	118	1,142	121	470	NA	1,454	68	3,255
1984	December.....	152	239	159	112	1,130	128	479	NA	1,556	69	3,362
1985	December.....	139	233	157	123	1,092	113	494	NA	1,519	66	3,284
1986	December.....	127	252	155	124	1,133	111	509	NA	1,593	72	3,418
1987	December.....	127	259	169	121	1,130	126	540	NA	1,607	71	3,474
1988	December.....	140	266	155	112	1,118	116	538	NA	1,597	71	3,440
1989	December.....	138	271	164	118	1,133	114	577	NA	1,581	71	3,476
1990	December.....	140	265	172	112	1,163	121	590	NA	1,621	73	3,568
1991	December.....	153	288	160	119	1,181	119	606	NA	1,617	65	3,588
1992	December.....	146	310	174	113	1,219	107	603	NA	1,592	67	3,588
1993	December.....	158	309	163	118	1,221	105	618	NA	1,647	69	3,661
1994	December.....	158	312	164	115	1,240	119	645	NA	1,653	69	3,726
1995	December.....	159	301	162	107	1,228	109	630	NA	1,563	71	3,601
1996	December.....	158	300	152	108	1,256	103	651	NA	1,507	74	3,591
***** See Footnote 5 for Explanation of Changes in Data Series *****												
1997	December	164	298	147	105	1,306	115	685	88	1,560	122	3,876
1998	December	161	321	153	109	1,364	118	649	85	1,647	112	3,975
1999	December	163	287	148	105	1,294	109	629	84	1,493	106	3,715
2000	December P...	174	271	157	103	1,304	112	634	89	1,468	117	3,724

1/ Data through December 1990 are for the former West Germany. Beginning with December 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

2/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ U.S. geographic coverage is the 50 States and the District of Columbia. In the United States in January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported. Using the new basis, the end-of-year U.S. stocks, in million barrels, would have been 1,121 in 1974, 1,425 in 1980, and 1,461 in 1982.

4/ "Other" consists of Australia, Mexico, New Zealand, and the U.S. Territories.

5/ There is a discontinuity in the time series between 1996 and 1997. Consistent stock data prior to 1997 are not available for five countries -- Czech Republic, Hungary, Mexico, Poland, and South Korea. Data are available for 1997 forward.

P=Preliminary. NA=Not available.

Note: Oil Stocks - See Explanatory Note 2 in Appendix B.

Sources: See end of Section 4.

Table 4.6 World Oil Demand, 1970-2000
 (Thousands Barrels per Day)

	France	Germany ^{1/}	Italy	United Kingdom	OECD Europe ^{2/3/}	Canada	Japan	Korea, South	United States ^{4/}	Other ^{5/}	Total OECD ^{3/}	World Total
1970 Average...	1,937	2,830	1,710	2,096	12,924	1,516	3,817	199	14,697	1,339	34,492	46,808
1971 Average...	2,115	2,941	1,838	2,141	13,570	1,564	4,142	232	15,213	1,350	36,072	49,416
1972 Average...	2,322	3,097	1,947	2,284	14,533	1,664	4,363	235	16,367	1,537	38,699	53,094
1973 Average...	2,601	3,324	2,068	2,341	15,598	1,729	4,949	281	17,308	1,658	41,523	57,237
1974 Average...	2,447	3,030	2,004	2,210	14,699	1,779	4,864	287	16,653	1,806	40,089	56,677
1975 Average...	2,252	2,957	1,855	1,911	13,998	1,779	4,621	311	16,322	1,794	38,825	56,198
1976 Average...	2,420	3,206	1,971	1,892	14,964	1,818	4,837	357	17,461	1,946	41,382	59,673
1977 Average...	2,294	3,212	1,897	1,905	14,810	1,850	4,880	422	18,431	2,035	42,429	61,826
1978 Average...	2,408	3,290	1,952	1,938	15,247	1,902	4,945	482	18,847	2,194	43,616	64,158
1979 Average...	2,463	3,373	2,039	1,971	15,668	1,971	5,050	525	18,513	2,278	44,005	65,220
1980 Average...	2,256	3,082	1,934	1,725	14,640	1,873	4,960	537	17,056	2,342	41,408	63,067
1981 Average...	2,023	2,804	1,874	1,590	13,452	1,768	4,848	536	16,058	2,479	39,141	60,903
1982 Average...	1,880	2,743	1,781	1,590	12,965	1,578	4,582	534	15,296	2,484	37,439	59,503
1983 Average...	1,835	2,661	1,750	1,531	12,650	1,448	4,395	561	15,231	2,303	36,588	58,739
1984 Average...	1,754	2,662	1,646	1,849	12,629	1,472	4,576	587	15,726	2,442	37,432	59,831
1985 Average...	1,775	2,700	1,717	1,634	12,603	1,504	4,384	569	15,726	2,441	37,228	60,091
1986 Average...	1,772	2,860	1,738	1,649	13,009	1,506	4,439	607	16,281	2,436	38,277	61,759
1987 Average...	1,789	2,767	1,855	1,603	13,142	1,548	4,484	639	16,665	2,479	38,957	62,999
1988 Average...	1,797	2,744	1,836	1,697	13,291	1,693	4,752	731	17,283	2,489	40,238	64,819
1989 Average...	1,857	2,581	1,930	1,738	13,359	1,733	4,983	843	17,325	2,638	40,881	65,917
1990 Average...	1,818	2,664	1,872	1,752	13,368	1,690	5,140	1,025	16,988	2,706	40,917	65,974
1991 Average...	1,935	2,828	1,863	1,801	13,827	1,622	5,284	1,202	16,714	2,751	41,400	66,559
1992 Average...	1,926	2,843	1,937	1,803	14,073	1,643	5,446	1,456	17,033	2,773	42,424	66,758
1993 Average...	1,875	2,900	1,852	1,815	14,140	1,688	5,401	1,690	17,237	2,826	42,982	66,996
1994 Average...	1,833	2,879	1,841	1,837	14,226	1,727	5,674	1,856	17,718	2,966	44,167	68,286
1995 Average...	1,896	2,875	2,048	1,845	14,756	1,755	5,711	2,027	17,725	2,989	44,962	69,878
1996 Average...	1,935	2,911	2,058	1,845	14,964	1,797	5,867	2,183	18,309	2,953	46,072	71,411
***** See Note Below and Appendix B, Note 3 for Explanation of Change in Data Series *****												
1997 Average...	1,957	2,915	1,908	1,805	15,009	1,923	5,728	2,260	18,620	3,084	46,626	72,853
1998 Average...	2,030	2,921	1,945	1,789	15,335	1,947	5,528	1,930	18,917	3,228	46,885	73,603
1999 Average...	2,027	2,836	1,841	1,739	15,169	2,029	5,587	2,075	19,519	3,313	47,692	74,982
2000 Average P.	2,021	2,770	1,867	1,721	15,140	2,073	5,528	2,146	19,701	3,331	47,920	75,712

^{1/} Data are for unified Germany, i.e., the former East Germany and West Germany.

^{2/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{3/} Data for 1970 - 1992 exclude Czech Republic.

^{4/} U.S. geographic coverage is the 50 States and the District of Columbia.

^{5/} "Other" consists of Australia, Mexico, New Zealand, and the U.S. Territories.

P=Preliminary.

Note: There is a discontinuity in the time series between 1996 and 1997. The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition.

Sources: See end of Section 4.

Table 4.7 OECD Total Net Imports, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total ^{1/}	20.565	20.282	21.016	21.953	21.984	21.688	22.488	23.230	23.589	23.632	23.993
United States ^{2/}	7.161	6.626	6.938	7.618	8.054	7.886	8.498	9.158	9.764	9.912	10.419
Canada.....	-.429	-.486	-.553	-.594	-.632	-.763	-.812	-.829	-.917	-.800	-.839
Mexico.....	-1.327	-1.451	-1.435	-1.316	-1.283	-1.285	-1.463	-1.485	-1.494	-1.365	-1.404
OECD Europe ^{3/}	8.604	8.837	8.745	8.552	7.775	7.652	7.829	7.841	8.406	7.684	7.813
Main European Importers											
France.....	1.750	1.851	1.766	1.741	1.596	1.702	1.716	1.747	1.855	1.862	1.868
Germany ^{4/}	2.202	2.642	2.714	2.697	2.704	2.673	2.766	2.778	2.860	2.608	2.561
Italy.....	1.788	1.750	1.819	1.728	1.760	1.802	1.773	1.775	1.809	1.731	1.744
Netherlands.....	.668	.677	.699	.674	.706	.686	.748	.758	.765	.753	.859
Spain.....	.950	.937	.985	1.054	1.105	1.188	1.169	1.259	1.350	1.384	1.413
European Net Exporters											
Norway.....	-1.543	-1.825	-2.102	-2.255	-2.587	-2.795	-3.150	-3.176	-3.043	-3.027	-3.202
United Kingdom....	-.214	-.170	-.233	-.368	-.861	-.980	-.850	-.980	-1.031	-1.260	-1.068
Smaller European Importers											
Austria.....	.201	.210	.207	.203	.208	.194	.213	.221	.234	.226	.216
Belgium.....	.442	.498	.510	.496	.510	.488	.564	.581	.605	.549	.579
Czech Republic ^{5/} ..	-	-	-	.139	.154	.154	.169	.160	.162	.160	.153
Denmark.....	.063	.046	.031	.022	.025	.038	.027	-.007	-.004	-.088	-.160
Ireland.....	.095	.094	.096	.101	.109	.115	.123	.133	.147	.165	.144
Finland.....	.208	.200	.185	.180	.231	.143	.178	.184	.208	.208	.223
Greece.....	.273	.293	.322	.323	.289	.339	.346	.356	.382	.352	.381
Hungary.....	.128	.114	.123	.119	.111	.108	.102	.106	.113	.103	.101
Iceland.....	.011	.012	.011	.014	.015	.015	.015	.016	.017	.018	.019
Luxembourg.....	.034	.039	.040	.039	.040	.036	.039	.040	.043	.044	.049
Poland.....	.275	.271	.297	.304	.294	.298	.360	.383	.392	.390	.382
Portugal.....	.250	.256	.276	.269	.266	.287	.271	.292	.321	.340	.325
Sweden.....	.324	.308	.316	.330	.357	.351	.400	.365	.378	.347	.347
Switzerland.....	.273	.272	.276	.249	.261	.247	.258	.268	.277	.256	.249
Turkey.....	.425	.361	.407	.494	.484	.563	.594	.583	.565	.561	.629
Japan.....	5.239	5.237	5.413	5.415	5.711	5.662	5.736	5.762	5.352	5.463	5.486
Korea, South.....	1.046	1.205	1.523	1.770	1.874	1.991	2.171	2.310	2.015	2.158	2.224
Other OECD.....	.270	.314	.384	.507	.483	.546	.529	.471	.463	.579	.293

^{1/} Data for 1990-1992 exclude Czech Republic.

^{2/} U.S. geographic coverage is the 50 States and District of Columbia.

^{3/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{4/} Data for 1990 are for the former West Germany only.

^{5/} Data for 1990-1992 are not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.8 OECD Imports from OPEC, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total ^{1/}	15.576	15.360	15.567	16.018	15.765	15.469	15.630	18.751	19.135	18.389	18.774
United States ^{2/}	4.172	3.918	3.888	4.103	4.036	3.979	4.194	4.542	4.881	4.934	5.182
Canada.....	.199	.210	.210	.268	.285	.257	.261	.312	.297	.301	.310
Mexico ^{3/}	-	-	-	-	-	-	-	.052	.036	.044	.060
OECD Europe ^{4/5/}	6.633	6.728	6.758	6.794	6.385	6.154	6.053	6.268	6.711	5.925	5.936
Main European Importers											
France.....	1.101	1.021	.932	1.006	.956	.911	.897	.899	1.029	.915	.883
Germany ^{6/}.....	.771	.859	.957	.948	.838	.711	.660	.645	.656	.597	.595
Italy.....	1.375	1.393	1.343	1.222	1.117	1.203	1.244	1.353	1.421	1.234	1.288
Netherlands.....	.850	.900	.914	.982	.906	.791	.779	.774	.849	.789	.711
Spain.....	.652	.700	.632	.582	.668	.781	.775	.789	.867	.814	.842
European Net Exporters											
Norway.....	.007	.014	.004	.005	.003	.003	.001	.003	.000	.001	.000
United Kingdom....	.406	.377	.390	.439	.306	.254	.234	.199	.213	.135	.161
Smaller European Importers											
Austria.....	.097	.108	.115	.128	.119	.057	.023	.130	.122	.105	.091
Belgium.....	.313	.362	.359	.359	.284	.276	.284	.292	.341	.221	.253
Czech Republic ^{3/} ..	-	-	-	-	-	-	-	.008	.011	.013	.010
Denmark.....	.044	.006	.001	.006	.008	.022	.027	.031	.033	.030	.032
Ireland.....	.000	.000	.000	.000	.000	.000	.000	-	-	-	-
Finland.....	.013	.029	.033	.007	.004	.004	.001	.006	.004	.000	.000
Greece.....	.340	.298	.346	.303	.266	.263	.280	.317	.352	.314	.314
Hungary ^{3/}	-	-	-	-	-	-	-	.000	.001	.000	.000
Poland ^{3/}	-	-	-	-	-	-	-	.000	.005	.001	.001
Portugal.....	.166	.139	.152	.166	.227	.209	.177	.188	.184	.163	.159
Sweden.....	.073	.105	.116	.123	.126	.109	.091	.096	.100	.081	.081
Switzerland.....	.036	.052	.051	.063	.082	.083	.098	.096	.102	.101	.094
Turkey.....	.388	.365	.412	.452	.475	.477	.483	.442	.418	.412	.421
Japan.....	4.062	4.026	4.198	4.245	4.495	4.467	4.470	4.699	4.467	4.403	4.438
Korea, South ^{3/}	-	-	-	-	-	-	-	2.150	2.034	2.120	2.224
Other OECD.....	.510	.478	.512	.609	.563	.612	.653	.727	.710	.661	.624

1/ Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ Data for 1990-1996 are not available.

4/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

5/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

6/ Data for 1990 are for the former West Germany only.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.9 OECD Imports from Persian Gulf, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Imports from Persian Gulf											
Total ^{1/}	9.667	9.249	9.456	10.029	9.609	9.310	9.215	11.867	12.428	12.029	12.259
United States ^{2/} ...	1.961	1.835	1.774	1.775	1.722	1.563	1.594	1.747	2.131	2.459	2.483
Canada.....	.081	.084	.092	.105	.119	.070	.111	.120	.098	.089	.108
Mexico ^{3/}	-	-	-	-	-	-	-	.022	.015	.019	.019
OECD Europe ^{4/5/} ...	3.908	3.660	3.666	4.048	3.506	3.365	3.171	3.471	3.956	3.295	3.240
Main European Importers											
France.....	.864	.708	.640	.757	.651	.647	.573	.617	.730	.626	.601
Germany ^{6/}....	.217	.227	.215	.250	.217	.172	.145	.157	.163	.140	.129
Italy.....	.626	.595	.573	.548	.430	.494	.502	.583	.658	.570	.578
Netherlands.....	.647	.609	.650	.744	.662	.563	.566	.584	.676	.621	.529
Spain.....	.291	.281	.231	.287	.275	.324	.304	.359	.419	.339	.336
European Net Exporters											
Norway.....	.000	.011	.000	.000	.000	.000	.000	.000	.000	-	-
United Kingdom...	.250	.222	.220	.303	.174	.135	.102	.094	.108	.031	.086
Smaller European Importers											
Austria.....	.016	.021	.031	.036	.038	.035	.004	.045	.049	.045	.042
Belgium.....	.250	.279	.292	.291	.232	.252	.263	.259	.307	.182	.223
Czech Republic ^{3/} ..	-	-	-	-	-	-	-	.002	.001	.000	.001
Denmark.....	.043	.004	.000	.002	.000	.000	.000	.002	.007	.002	.008
Finland.....	.011	.021	.023	.002	.002	.002	.000	.000	.001	.000	.000
Greece.....	.268	.219	.291	.253	.214	.223	.235	.282	.322	.279	.280
Hungary ^{3/}	-	-	-	-	-	-	-	.000	.001	.000	.000
Poland ^{3/}	-	-	-	-	-	-	-	.000	.001	.000	.000
Portugal.....	.073	.067	.074	.050	.117	.107	.083	.106	.136	.110	.091
Sweden.....	.039	.064	.068	.088	.076	.068	.067	.073	.071	.060	.052
Switzerland.....	.007	.007	.007	.008	.012	.007	.006	.008	.009	.007	.007
Turkey.....	.307	.324	.349	.429	.405	.336	.320	.301	.296	.282	.276
Japan.....	3.394	3.370	3.586	3.721	3.946	3.979	4.025	4.304	4.132	4.051	4.124
Korea, South ^{3/}	-	-	-	-	-	-	-	1.892	1.859	1.893	2.053
Other OECD.....	.322	.300	.338	.381	.316	.334	.313	.311	.237	.223	.232

1/ Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ Data for 1990-1996 are not available.

4/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

5/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

6/ Data for 1990 are for the former West Germany only.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •"Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.10 United States--Net Oil Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	7.161	6.626	6.938	7.618	8.054	7.886	8.498	9.158	9.764	9.912	10.419
Imports from OPEC ^{1/}	4.172	3.918	3.888	4.103	4.036	3.979	4.194	4.542	4.881	4.934	5.182
Imports from Persian Gulf ^{2/}											
Total.....	1.961	1.835	1.774	1.775	1.722	1.563	1.594	1.747	2.131	2.459	2.483
Bahrain.....	-.001	-.001	-.002	-.002	-.002	-.003	-.002	-.002	-.001	.000	-.001
Iran.....	.000	.032	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.518	.000	.000	.000	.000	.000	.001	.089	.336	.725	.620
Kuwait.....	.086	.006	.051	.353	.312	.218	.236	.253	.301	.248	.272
U.A.E.....	.016	.001	.004	.009	.011	.004	-.003	-.003	.000	-.002	.012
Qatar.....	.004	.000	.001	.001	.000	.000	.000	.004	.004	.010	.009
Saudi Arabia.....	1.339	1.797	1.720	1.414	1.402	1.344	1.363	1.406	1.491	1.477	1.571
Imports from OPEC-Africa											
Total.....	1.080	.956	.876	.956	.880	.859	.872	.979	.983	.915	1.121
Algeria.....	.280	.253	.196	.220	.243	.234	.256	.285	.290	.259	.225
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.800	.703	.680	.736	.637	.625	.616	.694	.693	.656	.896
Imports from OPEC-South America											
Total.....	1.016	1.020	1.161	1.295	1.322	1.468	1.667	1.758	1.701	1.481	1.530
Venezuela.....	1.016	1.020	1.161	1.295	1.322	1.468	1.667	1.758	1.701	1.481	1.530
Imports from OPEC-Far East											
Total.....	.113	.106	.075	.074	.109	.087	.058	.057	.065	.080	.047
Indonesia.....	.113	.106	.075	.074	.109	.087	.058	.057	.065	.080	.047

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •U.S. geographic coverage is the 50 States and District of Columbia. •Negative numbers represent net exports. •A dash (-) indicates no trade.

•Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.11 Japan--Net Oil Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	5.239	5.237	5.413	5.415	5.711	5.662	5.736	5.762	5.352	5.463	5.486
Imports from OPEC ^{1/}	4.062	4.026	4.198	4.245	4.495	4.467	4.470	4.699	4.467	4.403	4.438
Imports from Persian Gulf ^{2/}											
Total.....	3.394	3.370	3.586	3.721	3.946	3.979	4.025	4.304	4.132	4.051	4.124
Bahrain.....	.037	.037	.029	.025	.028	.029	.033	.023	.016	.017	.011
Iran.....	.385	.383	.362	.384	.459	.399	.451	.461	.473	.502	.498
Iraq.....	.146	.000	.000	.000	.000	.000	.000	.015	.017	.099	.072
Kuwait.....	.291	.014	.220	.368	.430	.501	.500	.557	.507	.515	.536
U.A.E.....	1.032	1.285	1.256	1.287	1.398	1.420	1.396	1.441	1.402	1.266	1.305
Qatar.....	.263	.285	.300	.330	.328	.335	.335	.364	.450	.442	.444
Saudi Arabia.....	1.240	1.367	1.420	1.327	1.303	1.296	1.310	1.441	1.268	1.210	1.258
Imports from OPEC-Africa											
Total.....	.011	.011	.007	.008	.017	.026	.032	.036	.025	.038	.017
Algeria.....	.010	.010	.007	.008	.012	.011	.012	.014	.012	.013	.002
Nigeria.....	.001	.001	.000	.000	.005	.016	.020	.023	.013	.025	.015
Imports from OPEC-South America											
Total.....	.011	.010	.010	.009	.009	.002	.003	.003	.000	.001	.012
Venezuela.....	.011	.010	.010	.009	.009	.002	.003	.003	.000	.001	.012
Imports from OPEC-Far East											
Total.....	.682	.673	.624	.533	.551	.488	.442	.380	.326	.329	.294
Indonesia.....	.682	.673	.624	.533	.551	.488	.442	.380	.326	.329	.294

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.12 OECD Europe--Net Oil Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports ^{1/}	8.604	8.837	8.745	8.552	7.775	7.652	7.829	7.841	8.406	7.684	7.813
Imports from OPEC ^{2/3/}	6.633	6.728	6.758	6.794	6.385	6.154	6.053	6.268	6.711	5.925	5.936
Imports from Persian Gulf ^{4/}											
Total ^{3/}	3.908	3.660	3.666	4.048	3.506	3.365	3.171	3.471	3.956	3.295	3.240
Bahrain.....	.020	.002	.003	.004	.003	.000	.001	.001	.004	.001	.002
Iran.....	1.190	1.132	1.113	1.253	1.074	1.149	1.059	.942	1.021	.938	.791
Iraq.....	.591	.000	.000	.001	.000	.000	.006	.337	.726	.808	.744
Kuwait.....	.346	.019	.142	.461	.302	.269	.288	.249	.275	.222	.259
U.A.E.....	.446	.281	.199	.092	.067	.011	.004	.009	.019	.005	.028
Qatar.....	.026	.009	.006	.000	.000	.002	.002	.000	.000	.000	.003
Saudi Arabia.....	1.290	2.217	2.203	2.237	2.060	1.933	1.811	1.932	1.911	1.321	1.413
Imports from OPEC-Africa											
Total ^{3/}	2.509	2.818	2.818	2.491	2.644	2.500	2.644	2.575	2.521	2.414	2.506
Algeria.....	.683	.757	.772	.693	.690	.724	.746	.687	.719	.712	.817
Libya.....	1.267	1.332	1.361	1.193	1.233	1.201	1.204	1.269	1.300	1.256	1.210
Nigeria.....	.559	.729	.686	.605	.721	.575	.694	.620	.502	.446	.479
Imports from OPEC-South America											
Total ^{3/}.....	.227	.249	.268	.240	.219	.273	.206	.206	.215	.212	.190
Venezuela.....	.227	.249	.268	.240	.219	.273	.206	.206	.215	.212	.190
Imports from OPEC-Far East											
Total ^{3/}.....	.008	.002	.009	.019	.019	.017	.033	.017	.024	.005	.003
Indonesia.....	.008	.002	.009	.019	.019	.017	.033	.017	.024	.005	.003

1/ Data for 1990-1992 exclude Czech Republic.

2/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

3/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

4/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •"OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.13 France--Net Oil Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	1.750	1.851	1.766	1.741	1.596	1.702	1.716	1.747	1.855	1.862	1.868
Imports from OPEC ^{1/}	1.101	1.021	.932	1.006	.956	.911	.897	.899	1.029	.915	.883
Imports from Persian Gulf ^{2/}											
Total.....	.864	.708	.640	.757	.651	.647	.573	.617	.730	.626	.601
Bahrain.....	.011	.000	.001	.002	.000	.000	.001	.000	.002	.001	.000
Iran.....	.182	.171	.151	.243	.156	.208	.172	.127	.157	.137	.102
Iraq.....	.062	.000	.000	.000	.000	.000	.000	.078	.171	.148	.148
Kuwait.....	.015	.011	.029	.032	.016	.022	.017	.017	.019	.036	.029
U.A.E.....	.233	.064	.033	.025	.003	.002	.001	.000	.012	.001	.007
Qatar.....	.022	.003	.002	.000	.000	.000	.000	.000	.000	.000	.002
Saudi Arabia.....	.339	.459	.424	.454	.477	.416	.381	.394	.369	.302	.314
Imports from OPEC-Africa											
Total.....	.233	.296	.281	.242	.301	.262	.323	.282	.301	.284	.277
Algeria.....	.092	.107	.105	.066	.089	.103	.105	.131	.115	.118	.123
Libya.....	.079	.104	.087	.063	.059	.043	.051	.060	.061	.067	.060
Nigeria.....	.062	.084	.090	.112	.153	.115	.168	.091	.126	.099	.094
Imports from OPEC-South America											
Total.....	.015	.017	.011	.010	.003	.002	.001	.000	.000	.002	.004
Venezuela.....	.015	.017	.011	.010	.003	.002	.001	.000	.000	.002	.004
Imports from OPEC-Far East											
Total.....	.000	.001	.001	.000	.000	.000	.000	.000	.000	.004	.001
Indonesia.....	.000	.001	.001	.000	.000	.000	.000	.000	.000	.004	.001

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.14 Germany--Net Oil Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	2.202	2.642	2.714	2.697	2.704	2.673	2.766	2.778	2.860	2.608	2.561
Imports from OPEC ^{1/}	.771	.859	.957	.948	.838	.711	.660	.645	.656	.597	.595
Imports from Persian Gulf ^{2/}											
Total.....	.217	.227	.215	.250	.217	.172	.145	.157	.163	.140	.129
Bahrain.....	-	-	-	.000	.001	.000	.000	.000	.000	-	-
Iran.....	.055	.053	.021	.053	.040	.031	.018	.023	.020	.016	.018
Iraq.....	.004	.000	.000	.000	.000	.000	.000	.001	.020	.017	.004
Kuwait.....	.013	.000	.009	.022	.026	.015	.016	.012	.016	.015	.013
U.A.E.....	.016	.012	.002	.002	.001	.000	.000	.001	.000	.000	.000
Qatar.....	.003	.002	.001	.000	.000	.000	.000	.000	.000	-	-
Saudi Arabia.....	.125	.161	.182	.173	.149	.125	.111	.120	.106	.091	.093
Imports from OPEC-Africa											
Total.....	.465	.524	.614	.594	.543	.461	.462	.442	.447	.417	.431
Algeria.....	.098	.126	.183	.195	.161	.135	.125	.095	.127	.098	.147
Libya.....	.244	.262	.252	.244	.244	.234	.258	.246	.277	.296	.244
Nigeria.....	.123	.136	.179	.154	.139	.093	.079	.101	.043	.023	.040
Imports from OPEC-South America											
Total.....	.088	.107	.128	.105	.079	.078	.053	.046	.046	.041	.035
Venezuela.....	.088	.107	.128	.105	.079	.078	.053	.046	.046	.041	.035
Imports from OPEC-Far East											
Total.....	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Data through 1990 are for the former West Germany. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.15 Italy--Net Oil Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	1.788	1.750	1.819	1.728	1.760	1.802	1.773	1.775	1.809	1.731	1.744
Imports from OPEC ^{1/}	1.375	1.393	1.343	1.222	1.117	1.203	1.244	1.353	1.421	1.234	1.288
Imports from Persian Gulf ^{2/}											
Total.....	.626	.595	.573	.548	.430	.494	.502	.583	.658	.570	.578
Bahrain.....	.000	.001	.001	.000	.000	.000	.001	.000	.002	.000	.000
Iran.....	.192	.231	.239	.221	.143	.233	.263	.258	.273	.269	.208
Iraq.....	.079	.000	.000	.000	.000	.000	.000	.033	.108	.130	.168
Kuwait.....	.063	.000	.007	.012	.001	.000	.000	.000	.000	.003	.031
U.A.E.....	.075	.044	.013	.002	.000	.000	.000	.000	.000	.000	.000
Qatar.....	.000	.004	.001	.000	.000	.002	.002	.000	.000	—	—
Saudi Arabia.....	.216	.315	.312	.313	.286	.260	.236	.291	.274	.169	.171
Imports from OPEC-Africa											
Total.....	.740	.793	.757	.653	.660	.679	.714	.745	.723	.655	.697
Algeria.....	.155	.155	.140	.096	.099	.100	.110	.086	.083	.111	.129
Libya.....	.556	.581	.584	.542	.543	.562	.580	.609	.601	.516	.546
Nigeria.....	.029	.057	.034	.015	.018	.017	.025	.050	.039	.027	.023
Imports from OPEC-South America											
Total.....	.007	.004	.005	.002	.007	.014	.008	.012	.020	.007	.011
Venezuela.....	.007	.004	.005	.002	.007	.014	.008	.012	.020	.007	.011
Imports from OPEC-Far East											
Total.....	.003	.001	.009	.019	.019	.015	.021	.014	.023	.001	.001
Indonesia.....	.003	.001	.009	.019	.019	.015	.021	.014	.023	.001	.001

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.16 Korea, South--Net Oil Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	1.046	1.205	1.523	1.770	1.874	1.991	2.171	2.310	2.015	2.158	2.224
Imports from OPEC ^{1/}	NA	2.150	2.034	2.120	2.224						
Imports from Persian Gulf ^{2/}											
Total.....	NA	1.892	1.859	1.893	2.053						
Bahrain.....	NA	.015	.030	.015	.016						
Iran.....	NA	.231	.213	.242	.247						
Iraq.....	NA	.000	.014	.020	.049						
Kuwait.....	NA	.226	.266	.266	.260						
U.A.E.....	NA	.403	.393	.375	.442						
Qatar.....	NA	.096	.109	.123	.150						
Saudi Arabia.....	NA	.921	.834	.852	.890						
Imports from OPEC-Africa											
Total.....	NA	.117	.069	.070	.034						
Algeria.....	NA	.012	.008	.011	.006						
Libya.....	NA	.001	.000	.000	.000						
Nigeria.....	NA	.104	.061	.058	.028						
Imports from OPEC-South America											
Total.....	NA	.001	.000	.002	.000						
Venezuela.....	NA	.001	.000	.002	.000						
Imports from OPEC-Far East											
Total.....	NA	.155	.136	.170	.152						
Indonesia.....	NA	.155	.136	.170	.152						

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

NA=Not available.

Sources: See end of Section 4.

Table 4.17 OECD Imports from Iraq, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total ^{1/}	1.276	0.000	0.000	0.001	0.000	0.000	0.007	0.460	1.124	1.727	1.582
United States ^{2/}....	.518	.000	.000	.000	.000	.000	.001	.089	.336	.725	.620
Canada.....	.011	.000	.000	.000	.000	.000	.000	.014	.014	.027	.047
OECD Europe ^{3/} _{4/}....	.591	.000	.000	.001	.000	.000	.006	.337	.726	.808	.744
Main European Importers											
France.....	.062	.000	.000	.000	.000	.000	.000	.078	.171	.148	.148
Germany ^{5/}.....	.004	.000	.000	.000	.000	.000	.000	.001	.020	.017	.004
Italy.....	.079	.000	.000	.000	.000	.000	.000	.033	.108	.130	.168
Netherlands.....	.117	.000	.000	.000	.000	.000	.000	.024	.113	.170	.066
Spain.....	.063	.000	.000	.000	.000	.000	.002	.074	.130	.123	.122
European Net Exporters											
United Kingdom....	.027	.000	.000	.000	.000	.000	.000	.000	-	-	-
Smaller European Importers											
Austria.....	.000	.000	.000	.001	.000	.000	.000	.017	.031	.035	.030
Belgium.....	.029	.000	.000	.000	.000	.000	.000	.010	.047	.027	.037
Czech Republic ^{6/} ..	-	-	-	-	-	-	-	.002	.000	.000	.001
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	-	-	-
Greece.....	.044	.000	.000	.000	.000	.000	.000	.013	.013	.029	.037
Hungary ^{6/}	-	-	-	-	-	-	-	.000	.001	.000	.000
Portugal.....	.019	.000	.000	.000	.000	.000	.000	.011	.029	.031	.017
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	-	.000	.007
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000
Turkey.....	.146	.000	.000	.000	.000	.000	.003	.074	.063	.097	.108
Japan.....	.146	.000	.000	.000	.000	.000	.000	.015	.017	.099	.072
Korea, South ^{6/}	-	-	-	-	-	-	-	.000	.014	.020	.049
Other OECD.....	.011	.000	.000	.000	.000	.000	.000	.005	.017	.048	.049

1/ Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

4/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

5/ Data for 1990 are for the former West Germany only.

6/ Data for 1990-1996 are not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.18 OECD Imports from Kuwait, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total ^{1/}	0.740	0.039	0.414	1.191	1.081	0.997	1.034	1.291	1.356	1.258	1.331
United States ^{2/}....	.086	.006	.051	.353	.312	.218	.236	.253	.301	.248	.272
Canada.....	.004	-	-	.000	.027	.000	.000	.000	.000	.000	.000
OECD Europe ^{3/} ^{4/}....	.346	.019	.142	.461	.302	.269	.288	.249	.275	.222	.259
Main European Importers											
France.....	.015	.011	.029	.032	.016	.022	.017	.017	.019	.036	.029
Germany ^{5/}.....	.013	.000	.009	.022	.026	.015	.016	.012	.016	.015	.013
Italy.....	.063	.000	.007	.012	.001	.000	.000	.000	.000	.003	.031
Netherlands.....	.151	.002	.052	.254	.179	.176	.193	.168	.176	.142	.151
Spain.....	.010	.003	.000	.015	.000	.000	.000	.000	.000	.004	.002
European Net Exporters											
Norway.....	-	-	-	.000	.000	.000	.000	.000	.000	-	-
United Kingdom....	.045	.002	.027	.049	.058	.039	.032	.031	.025	.005	.016
Smaller European Importers											
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	-	-	-
Belgium.....	.000	.001	.006	.056	.005	.004	.015	.004	.014	.001	.000
Denmark.....	.034	.000	.000	.000	.000	.000	.000	.002	.007	.000	.004
Finland.....	-	.000	-	-	-	-	-	-	.001	.000	.000
Greece.....	.000	.000	.002	.005	.001	.000	.000	.000	.000	.001	.000
Portugal.....	.002	.000	.000	.000	.000	.000	.000	.000	-	-	-
Sweden.....	.001	.000	.000	.002	.000	.000	.000	.000	.000	.000	.000
Switzerland.....	-	.000	.000	.000	.000	.000	.000	.000	.000	-	-
Turkey.....	.011	.000	.010	.016	.016	.014	.015	.014	.016	.015	.013
Japan.....	.291	.014	.220	.368	.430	.501	.500	.557	.507	.515	.536
Korea, South ^{6/}	-	-	-	-	-	-	-	.226	.266	.266	.260
Other OECD.....	.013	.000	.000	.009	.011	.009	.010	.006	.006	.007	.005

1/ Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

4/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

5/ Data for 1990 are for the former West Germany only.

6/ Data for 1990-1996 are not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Sources for Section 4 (Historical Oil Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: • Energy Information Administration (EIA), Petroleum Supply Annual 2000; • Bureau of Mines, Mineral Industry Surveys, Petroleum Statement, Annual, various issues.

Other Countries: • EIA, International Energy Annual, various issues. • EIA, International Petroleum Annual, 1978. • United Nations, Yearbook of World Energy Statistics, 1979. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, November 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 2000.

Other OECD Countries: • 1973-1982: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • 1983-2000: OECD, Monthly Oil Statistics in the EIA, International Energy Database.

Oil Demand

United States: EIA, Petroleum Supply Annual 2000.

Other OECD Countries: • 1973-1981: OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Annual Oil Statistics data base, 1970-1979. • 1982-2000: OECD, Monthly Oil Statistics in the EIA International Energy Database.

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 2000.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD Monthly Oil Statistics database, 1991-2000.

Appendix A

Organizational and Geographical Definitions

Appendix A. Organizational and Geographical Definitions

International Energy Agency (IEA) countries are: Australia, Austria, Belgium, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and United States.

Organization for Economic Cooperation and Development (OECD) countries are: Australia, Austria, Belgium, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Slovakia, South Korea, Spain, Sweden, Switzerland, Turkey, United Kingdom, and United States. Total OECD includes the United States Territories (Guam, Puerto Rico, and the U.S. Virgin Islands). Total OECD excludes data for Slovakia which are not yet available.

OECD Europe countries are: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Slovakia, Spain, Sweden, Switzerland, Turkey, and United Kingdom. OECD Europe excludes data for Slovakia which are not yet available.

Organization of Petroleum Exporting Countries (OPEC) members are: Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. As of December 31, 1992, Ecuador withdrew its membership in OPEC, and as of December 31, 1994, Gabon withdrew its membership. For consistency, Ecuador and Gabon are excluded in the historical series of OPEC totals.

Arab members of OPEC are: Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia and the United Arab Emirates.

Organization of Arab Petroleum Exporting Countries (OAPEC) are: Algeria, Bahrain, Egypt, Iraq, Kuwait, Libya, Neutral Zone, Qatar, Saudi Arabia, Syria, Tunisia, and the United Arab Emirates. In April 1979 Egypt was suspended from OAPEC membership. In May 1989 Egypt rejoined OAPEC. For consistency, Egypt is included in the historical series of the OAPEC totals.

Persian (Arabian) Gulf countries are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

The term "Former USSR" is being used in the International Petroleum Monthly as a purely geographical expression, referring to the Commonwealth of Independent States (CIS), Georgia, and the three Baltic States (Estonia, Latvia, and Lithuania).

Appendix B

Explanatory Notes

Appendix B. Explanatory Notes

Note 1: World Oil Supply

Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery processing gain, alcohol, and liquids produced from coal and other sources. Beginning in 1993, U.S. data includes fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants.

Note 2: Oil Stocks

The International Energy Agency (IEA) assembles and reports total oil stock data for the member countries of the Organization for Economic Cooperation and Development (OECD). Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products. In its report titled Oil, Gas, Coal, & Electricity Quarterly Statistics, the IEA defines oil stocks as follows: "All non-military stocks held by importers (including all final consumers directly), refiners, Governments, major non-importing final consumers eligible under IEA/OECD commitments and by foreign entities in the following facilities: bulk terminals, refinery tanks, pipeline tankage, barges, intercoastal tankers (when port of departure and destination are in the reporting country), tankers in port (to the extent that their cargo is to be unloaded in the reporting country), and inland ship bunkers. Oil is reported regardless of the ownership of such storage facilities." IEA data exclude "oil held in pipelines, in rail tank cars, in truck tank cars, in sea-going ships' bunkers, in service stations, retail stores and in tankers at sea." Also the IEA defines the United States to be the 50 States and the District of Columbia, and the U.S. Territories (Guam, Puerto Rico, and the U.S. Virgin Islands). The Energy Information Administration (EIA) does not include the United States Territories in its statistical definition of the United States. Further, the EIA includes oil in oil pipelines as part of its stock data. Tables 1.5, 1.6, 2.3, and 4.5 include oil stocks for the United States according to EIA definitions. Using IEA definitions, at the end of September 2001, United States (including territories) oil stocks totaled 1,426 million barrels.

Oil stock data are collected by the IEA from member governments in OECD countries. However, data for oil stocks for export, oil stocks afloat, and commercial floating oil stocks are not usually available from official national sources. The source of these data is Petroleum Economics Limited, *Oil Industry Developments*.

Data for on land stocks in countries outside the OECD are generally not available.

Note 3: Changes in Oil Demand (Consumption) Data Series

Starting with the November 2001 edition of the *International Petroleum Monthly*, petroleum statistics for 1997 and forward have been recalculated to account for more precise information available from the IEA. The changes in consumption include: enhancements to the accounting of backflows to refineries; the accounting for lubricants; improvements in the conversion factors for changing natural gas liquids and liquefied petroleum gases from metric tons to barrels; and the availability of monthly data for the Czech Republic, Hungary, Mexico, Poland, and South Korea. At this time, EIA does not have sufficiently detailed and consistent information to revise the OECD data series prior to 1997.

The revisions to 1997-2000 annual data for most countries were minor but six countries had changes of 25,000 barrels per day or more in one or more of those years. Italy had the largest revisions as estimated consumption was decreased by more than 125,000 barrels per day for each of the years 1997 through 1999. Canada's consumption was increased by over 80,000 barrels per day for each of the years between 1997 and 2000. South Korea's consumption was decreased in 1997 and 1998 (by 132,000 and

43,000 barrels per day, respectively) and increased in 1999 (by 35,000 barrels per day). Mexico's consumption was increased by 25,000 barrels per day in 1999; and, in 2000, consumption was increased by 37,000 barrels per day in Japan and by 25,000 barrels per day in the United Kingdom.

Though six countries had significant changes in estimated oil demand, the overall estimates of OECD oil demand changed only slightly between data using the older estimation methods and data using the newer estimation methods. The *International Energy Annual (IEA99)* – released in February 2001 – used the older methods. The *International Petroleum Monthly* – released in November 2001 – used the newer methods. Using the newer methods, the data for total OECD oil demand declined by 0.4 percent for 1997, declined by 0.1 percent for 1998, and rose by 0.2 percent for 1999.

Appendix C

Glossary

Appendix C. Glossary

Alcohol: The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group, $\text{CH}_3\text{-}(\text{CH}_2)_n\text{-OH}$. Included are methanol, ethanol, and tertiary butyl alcohol.

Demand (Consumption/Petroleum Products Supplied): Total petroleum products supplied is the sum of all petroleum products supplied. For each product, the amount supplied is calculated by summing production, crude oil burned directly, imports, and net withdrawals from primary stocks and subtracting exports.

Crude Oil: A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface-separating facilities. Depending upon the characteristics of the crude stream, it may also include:

1. Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;
2. Small amounts of nonhydrocarbons produced with the oil, such as sulfur and various metals;
3. Drip gases, and liquid hydrocarbons produced from tar sands, Gilsonite, and oil shale.

Government-Owned Stocks: Oil stocks owned by the national government and held for national security. In the United States, these stocks are known as the Strategic Petroleum Reserve.

Lease Condensate: A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas plant liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities.

Liquefied Petroleum Gases: A group of hydrogen-based gases derived from crude oil refining or natural gas fractionation. They include ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

Natural Gas Plant Liquids: Those hydrocarbons in natural gas that are separated as liquids at downstream natural gas processing plants or at fractionating and cycling plants. Data on lease condensate are excluded. Products obtained include liquefied petroleum gases and pentanes plus.

Oil Stocks: Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products stored for future use. See Explanatory Note 2 in Appendix B.

Other Hydrocarbons: Materials received by a refinery and consumed as raw materials. Includes hydrogen, coal tar derivatives, Gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Oxygenates: Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

Pentanes Plus: A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Petroleum Products: Products obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and other miscellaneous products.

Refinery Processing Gain: The amount by which the total volume of refinery output is greater than the total volume of refinery input for a given period of time. The processing gain arises when crude oil and other hydrocarbons are processed into petroleum products that are, on average, less dense than the input.

Refinery Processing Loss: The amount by which the total volume of refinery output is less than the total volume of refinery input for a given period of time. The processing loss arises when crude oil and other hydrocarbons are processed into petroleum products that are, on average, more dense than the input.

Appendix D

Estimation Procedures

Appendix D. Estimation Procedures

Estimation procedures are used for demand numbers in many of the countries outside of the OECD, in cases where data from EIA's International Energy Annual are not yet available. Demand numbers for 1999 and earlier years, for these countries, may be found in EIA's International Energy Annual 1999, published in February 2001, which is the most recent published edition of the International Energy Annual. EIA's WORLD ENERGY database contains final demand data for these countries for 1998, and preliminary demand data for them for 1999. Instructions for downloading this database may be found on EIA's home page (<http://www.eia.doe.gov/emeu/world/main1.html>). The status of the demand numbers shown in Section 2 of this current International Petroleum Monthly may be summarized as follows.

The OECD demand numbers are, as usual, based on the latest Monthly Oil Statistics data from the International Energy Agency.

For countries outside of the OECD, the following approach is used. The numbers for 1999 and earlier years match the demand numbers in the WORLD ENERGY database on EIA's home page. Numbers for 2000 forward are the best available EIA estimates, based upon the best annual data currently available, analytic judgment about current trends, and some seasonal adjustments. These are the same numbers that appear in the international oil balance table in EIA's Short-Term Energy Outlook.

The two largest non-OECD oil consumers are China and Russia. For these two countries, published data are available on production and net exports. Demand is computed as production minus net exports. This is the same approach used in the Short-Term Energy Outlook, by the International Energy Agency in their Monthly Oil Market Report, and in other major publications dealing with international oil data. Note, however, that because of this computation, the demand numbers for China and Russia implicitly exclude stock draw and refinery gain.

Appendix E

Conversions

Table E1. Refined Petroleum Products Conversion Factors

Product	Barrels per Metric Ton
Distillate Fuel Oil	7.46
Gasoline, Aviation	8.90
Gasoline, Motor	8.45
Jet Fuel, Kerosene-type	7.88
Jet Fuel, Naptha-type	8.25
Kerosene	7.88
Liquefied Petroleum Gas (LPG)	11.60
Miscellaneous Products	8.00
Naphthas	8.90
Natural Gas Liquids (NGL)	10.30
Petroleum Coke	5.50
Residual Fuel Oil	6.45

Table E2. Barrels of Crude Oil per Metric Ton, 1990-1999

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
North America										
Canada	7.186	7.186	7.186	7.186	7.186	7.186	7.186	7.186	7.186	7.186
Mexico	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965
United States	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333
Central & South America										
Argentina	7.120	7.120	7.120	7.120	7.120	7.120	7.120	7.120	7.120	7.120
Bolivia	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881
Brazil	7.056	7.056	7.056	7.056	7.056	7.056	7.056	7.056	7.056	7.056
Chile	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Colombia	7.080	7.080	7.080	7.080	7.080	7.080	7.080	7.080	7.080	7.080
Cuba	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449
Ecuador	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130
Peru	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407
Trinidad and Tobago	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
Venezuela	6.890	6.890	6.890	6.890	6.890	6.890	6.890	6.890	6.890	6.890
Western Europe										
Austria	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200
Denmark	7.405	7.405	7.405	7.405	7.405	7.405	7.405	7.405	7.405	7.405
France	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Germany	--	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330
Germany, East	7.340	--	--	--	--	--	--	--	--	--
Germany, West	7.247	--	--	--	--	--	--	--	--	--
Greece	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231
Italy	7.300	7.300	7.300	7.300	7.300	7.300	7.300	7.300	7.300	7.300
Netherlands	7.239	7.239	7.239	7.239	7.239	7.239	7.239	7.239	7.239	7.239
Norway	7.644	7.644	7.644	7.644	7.644	7.644	7.644	7.644	7.644	7.644
Spain	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Sweden	6.623	6.623	6.623	6.623	6.623	6.623	6.623	6.623	6.623	6.623
Turkey	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200
United Kingdom	7.523	7.523	7.523	7.523	7.523	7.523	7.523	7.523	7.523	7.523
Former Yugoslavia	7.418	7.418	--	--	--	--	--	--	--	--
Croatia	--	--	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418
Serbia and Montenegro	--	--	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418
Slovenia	--	--	--	7.418	7.418	7.418	7.418	7.418	7.418	7.418

-- = No Production of this form of energy.

Sources: International Energy Annual 1999. DOE/EIA-0219(99) (February 2001).

Table E2. Barrels of Crude Oil per Metric Ton, 1990-1999 (continued)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Eastern Europe & Former U.S.S.R.										
Albania	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594
Bulgaria	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Former Czechoslovakia	6.780	6.780	6.780	--	--	--	--	--	--	--
Czech Republic	--	--	--	6.780	6.780	6.780	6.780	6.780	6.780	6.780
Slovakia	--	--	--	6.780	6.780	6.780	6.780	6.780	6.780	6.780
Hungary	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690
Poland	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418
Romania	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Former U.S.S.R.	7.270	7.270	--	--	--	--	--	--	--	--
Azerbaijan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Belarus	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Georgia	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Lithuania	--	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Kazakhstan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Kyrgyzstan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Russia	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Tajikistan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Turkmenistan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Ukraine	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Uzbekistan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Middle East										
Bahrain	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
Iran	7.350	7.350	7.350	7.350	7.350	7.350	7.350	7.350	7.350	7.350
Iraq	7.430	7.430	7.430	7.430	7.430	7.430	7.430	7.430	7.430	7.430
Israel	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247
Jordan	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190
Kuwait	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250
Oman	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330
Qatar	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500
Saudi Arabia	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323
Syria	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290
United Arab Emirates	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596
Yemen	7.631	7.631	7.631	7.631	7.631	7.631	7.631	7.631	7.631	7.631

-- = No Production of this form of energy.

Sources: International Energy Annual 1999. DOE/EIA-0219(99) (February 2001).

Table E2. Barrels of Crude Oil per Metric Ton, 1990-1999 (continued)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Africa										
Algeria	8.130	8.130	8.130	8.130	8.130	8.130	8.130	8.130	8.130	8.130
Angola	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.410	7.410	7.410
Benin	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870
Cameroon	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205
Congo (Brazzaville)	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Congo (Kinshasa)	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
Cote d'Ivoire (Ivory Coast)	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Egypt	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.260	7.260	7.260
Equatorial Guinea	--	8.077	8.077	8.077	8.077	8.077	8.077	8.077	8.077	8.077
Gabon	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305
Ghana	--	--	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Libya	7.580	7.580	7.580	7.580	7.580	7.580	7.580	7.580	7.580	7.580
Morocco	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600
Nigeria	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.500	7.500	7.500
South Africa	--	--	--	--	--	--	--	--	7.720	7.720
Sudan	--	-	7.452	7.452	7.452	7.452	7.452	7.452	7.452	7.452
Tunisia	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689
Far East & Oceania										
Australia	7.868	7.868	7.868	7.868	7.868	7.868	7.868	7.868	7.868	7.868
Bangladesh	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453
Brunei	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340
Burma	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
China	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.300	7.300	7.300
India	7.440	7.440	7.440	7.440	7.440	7.440	7.440	7.330	7.330	7.330
Indonesia	7.360	7.360	7.360	7.360	7.360	7.360	7.360	7.360	7.360	7.360
Japan	7.357	7.357	7.357	7.357	7.357	7.357	7.357	7.357	7.357	7.357
Malaysia	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641
New Zealand	7.321	7.321	7.321	7.321	7.321	7.321	7.321	7.321	7.321	7.321
Pakistan	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500
Papua New Guinea	--	7.809	7.809	7.809	7.809	7.809	7.809	7.809	7.809	7.809
Philippines	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Taiwan	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568
Thailand	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758
Vietnam	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082

-- = No Production of this form of energy.

Sources: International Energy Annual 1999. DOE/EIA-0219(99) (February 2001).